

■ 2. Add § 226.212 to read as follows:

§ 226.212 Critical habitat for 12 Evolutionarily Significant Units (ESUs) of salmon and steelhead (*Oncorhynchus* spp.) in Washington, Oregon and Idaho.

Critical habitat is designated in the following states and counties for the following ESUs as described in

paragraph (a) of this section, and as further described in paragraphs (b) through (g) of this section. The textual descriptions of critical habitat for each ESU are included in paragraphs (i) through (t) of this section, and these descriptions are the definitive source for determining the critical habitat boundaries. General location maps are

provided at the end of each ESU description (paragraphs (i) through (t) of this section) and are provided for general guidance purposes only, and not as a definitive source for determining critical habitat boundaries.

(a) Critical habitat is designated for the following ESUs in the following states and counties:

ESU	State—Counties
(1) Puget Sound chinook salmon	WA—Clallam, Jefferson, King, Mason, Pierce, Skagit, Snohomish, Thurston, and Whatcom.
(2) Lower Columbia River chinook salmon	(i) OR—Clackamas, Clatsop, Columbia, Hood River, and Multnomah. (ii) WA—Clark, Cowlitz, Klickitat, Lewis, Pacific, Skamania, and Wahkiakum.
(3) Upper Willamette River chinook salmon	(i) OR—Benton, Clackamas, Clatsop, Columbia, Lane, Linn, Marion, Multnomah, Polk, and Yamhill. (ii) WA—Clark, Cowlitz, Pacific, and Wahkiakum.
(4) Upper Columbia River spring-run chinook salmon	(i) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Sherman, Umatilla, and Wasco. (ii) WA—Benton, Chelan, Clark, Cowlitz, Douglas, Franklin, Grant, Kittitas, Klickitat, Okanogan, Pacific, Skamania, Wahkiakum, Walla Walla, and Yakima.
(5) Hood Canal summer-run chum salmon	WA—Clallam, Jefferson, Kitsap, and Mason.
(6) Columbia River chum salmon	(i) OR—Clatsop, Columbia, Hood River, and Multnomah. (ii) WA—Clark, Cowlitz, Klickitat, Lewis, Pacific, Skamania, and Wahkiakum.
(7) Ozette Lake sockeye salmon	WA—Clallam.
(8) Upper Columbia River steelhead	(i) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Umatilla, and Wasco. (ii) WA—Adams, Benton, Chelan, Clark, Cowlitz, Douglas, Franklin, Grant, Kittitas, Klickitat, Okanogan, Pacific, Skamania, Wahkiakum, Walla Walla, and Yakima.
(9) Snake River Basin steelhead	(i) ID—Adams, Blaine, Clearwater, Custer, Idaho, Latah, Lemhi, Lewis, Nez Perce, and Valley. (ii) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Sherman, Umatilla, Union, Wallowa, and Wasco. (iii) WA—Asotin, Benton, Clark, Columbia, Cowlitz, Franklin, Garfield, Klickitat, Pacific, Skamania, Walla Walla, Wahkiakum, and Whitman.
(10) Middle Columbia River steelhead	(i) OR—Clatsop, Columbia, Crook, Gilliam, Grant, Hood River, Jefferson, Morrow, Multnomah, Sherman, Umatilla, Union, Wallowa, Wasco, and Wheeler. (ii) WA—Benton, Clark, Cowlitz, Columbia, Franklin, King, Kittitas, Klickitat, Lewis, Pacific, Pierce, Skamania, Wahkiakum, Walla Walla, and Yakima.
(11) Lower Columbia River steelhead	(i) OR—Clackamas, Clatsop, Columbia, Hood River, Marion, and Multnomah. (ii) WA—Clark, Cowlitz, Klickitat, Lewis, Pacific, Skamania, and Wahkiakum.
(12) Upper Willamette River steelhead	(i) OR—Benton, Clackamas, Clatsop, Columbia, Linn, Marion, Multnomah, Polk, Tillamook, Washington, and Yamhill. (ii) WA—Clark, Cowlitz, Pacific, and Wahkiakum.

(b) *Critical habitat boundaries.* Critical habitat includes the stream channels within the designated stream reaches, and includes a lateral extent as defined by the ordinary high-water line (33 CFR 319.11). In areas where ordinary high-water line has not been defined, the lateral extent will be defined by the bankfull elevation. Bankfull elevation is the level at which water begins to leave the channel and move into the floodplain and is reached at a discharge which generally has a recurrence interval of 1 to 2 years on the annual flood series. Critical habitat in lake areas is defined by the perimeter of

the water body as displayed on standard 1:24,000 scale topographic maps or the elevation of ordinary high water, whichever is greater. In estuarine and nearshore marine areas critical habitat includes areas contiguous with the shoreline from the line of extreme high water out to a depth no greater than 30 meters relative to mean lower low water.

(c) *Primary constituent elements.* Within these areas, the primary constituent elements essential for the conservation of these ESUs are those sites and habitat components that

support one or more life stages, including:

(1) Freshwater spawning sites with water quantity and quality conditions and substrate supporting spawning, incubation and larval development;

(2) Freshwater rearing sites with:
(i) Water quantity and floodplain connectivity to form and maintain physical habitat conditions and support juvenile growth and mobility;

(ii) Water quality and forage supporting juvenile development; and

(iii) Natural cover such as shade, submerged and overhanging large wood, log jams and beaver dams, aquatic

vegetation, large rocks and boulders, side channels, and undercut banks.

(3) Freshwater migration corridors free of obstruction and excessive predation with water quantity and quality conditions and natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels, and undercut banks supporting juvenile and adult mobility and survival;

(4) Estuarine areas free of obstruction and excessive predation with:

(i) Water quality, water quantity, and salinity conditions supporting juvenile and adult physiological transitions between fresh- and saltwater;

(ii) Natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels; and

(iii) Juvenile and adult forage, including aquatic invertebrates and fishes, supporting growth and maturation.

(5) Nearshore marine areas free of obstruction and excessive predation with:

(i) Water quality and quantity conditions and forage, including aquatic invertebrates and fishes, supporting growth and maturation; and

(ii) Natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, and side channels.

(6) Offshore marine areas with water quality conditions and forage, including aquatic invertebrates and fishes, supporting growth and maturation.

(d) *Exclusion of Indian lands.* Critical habitat does not include habitat areas on Indian lands. The Indian lands specifically excluded from critical habitat are those defined in the Secretarial Order, including:

(1) Lands held in trust by the United States for the benefit of any Indian tribe;

(2) Land held in trust by the United States for any Indian Tribe or individual subject to restrictions by the United States against alienation;

(3) Fee lands, either within or outside the reservation boundaries, owned by the tribal government; and

(4) Fee lands within the reservation boundaries owned by individual Indians.

(e) *Land owned or controlled by the Department of Defense.* Critical habitat does not include any areas subject to an approved Integrated Natural Resource Management Plan or associated with Department of Defense easements or right-of-ways. In areas within Navy security zones identified at 33 CFR 334 that are outside the areas described above, critical habitat is only designated within a narrow nearshore zone from

the line of extreme high tide down to the line of mean lower low water. The specific sites addressed include:

- (1) Naval Submarine Base, Bangor;
- (2) Naval Undersea Warfare Center, Keyport;
- (3) Naval Ordnance Center, Port Hadlock (Indian Island);
- (4) Naval Radio Station, Jim Creek;
- (5) Naval Fuel Depot, Manchester;
- (6) Naval Air Station Whidbey Island;
- (7) Naval Air Station, Everett;
- (8) Bremerton Naval Hospital;
- (9) Fort Lewis (Army);
- (10) Pier 23 (Army);
- (11) Yakima Training Center (Army);
- (12) Puget Sound Naval Shipyard;
- (13) Naval Submarine Base Bangor security zone;

(14) Strait of Juan de Fuca naval air-to-surface weapon range, restricted area;

(15) Hood Canal and Dabob Bay naval non-explosive torpedo testing area;

(16) Strait of Juan de Fuca and Whidbey Island naval restricted areas;

(17) Admiralty Inlet naval restricted area;

(18) Port Gardner Naval Base restricted area;

(19) Hood Canal naval restricted areas;

(20) Port Orchard Passage naval restricted area;

(21) Sinclair Inlet naval restricted areas;

(22) Carr Inlet naval restricted areas;

(23) Dabob Bay/Whitney Point naval restricted area; and

(24) Port Townsend/Indian Island/Walan Point naval restricted area.

(f) *Land subject to the Washington Department of Natural Resources Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the Washington Department of Natural Resources.

(g) *Land subject to the Green Diamond Company Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the Green Diamond Resources Company (formerly Simpson Timber Company).

(h) *Land subject to the West Fork Timber Company Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the West Fork Timber Company (formerly Murray Pacific Corporation).

(i) *Puget Sound Chinook Salmon (Oncorhynchus tshawytscha).* Critical habitat is designated to include the areas defined in the following subbasins:

(1) Nooksack Subbasin 17110004—(i) *Upper North Fork Nooksack River Watershed 1711000401.* Outlet(s) = North Fork Nooksack River (Lat 48.9055, Long -121.9886) upstream to endpoint(s) in: Boyd Creek (48.8998, -121.8640); Canyon Creek (48.9366, -121.9451); Cascade Creek (48.8996, -121.8621); Cornell Creek (48.8882, -121.9594); Deadhorse Creek (48.9024, -121.8359); Gallop Creek (48.8849, -121.9447); Glacier Creek (48.8197, -121.8931); Hedrick Creek (48.8953, -121.9705); Thompson Creek (48.8837, -121.9028); Wells Creek (48.8940, -121.7976).

(ii) *Middle Fork Nooksack River Watershed 1711000402.* Outlet(s) = Middle Fork Nooksack River (Lat 48.8342, Long -122.1540) upstream to endpoint(s) in: Canyon Creek (48.8374, -122.1198); Clearwater Creek (48.7841, -122.0293); Middle Fork Nooksack River (48.7249, -121.8999); Porter Creek (48.7951, -122.1098); Sister Creek (48.7492, -121.9736); Unnamed (48.7809, -122.1157); Unnamed (48.7860, -122.1214); Warm Creek (48.7559, -121.9741).

(iii) *South Fork Nooksack River Watershed 1711000403.* Outlet(s) = South Fork Nooksack River (Lat 48.8095, Long -122.2026) upstream to endpoint(s) in: Black Slough (48.7715, -122.1931); Cavanaugh Creek (48.6446, -122.1094); Deer Creek (48.6041, -122.0912); Edfro Creek (48.6607, -122.1206); Fobes Creek (48.6230, -122.1139); Hard Scrabble Falls Creek (48.7601, -122.2273); Howard Creek (48.6118, -121.9639); Hutchinson Creek (48.7056, -122.1663); Jones Creek (48.7186, -122.2130); McCarty Creek (48.7275, -122.2188); Plumbago Creek (48.6088, -122.0949); Pond Creek (48.6958, -122.1651); Skookum Creek (48.6871, -122.1029); South Fork Nooksack River (48.6133, -121.9000); Standard Creek (48.7444, -122.2191); Sygitowicz Creek (48.7722, -122.2269); Unnamed (48.6048, -121.9143); Unnamed (48.6213, -122.1039); Unnamed (48.7174, -122.1815); Unnamed (48.7231, -122.1968); Unnamed (48.7843, -122.2188).

(iv) *Lower North Fork Nooksack River Watershed 1711000404.* Outlet(s) = Nooksack River (Lat 48.8711, Long -122.3227) upstream to endpoint(s) in: Anderson Creek (48.8088, -122.3410); Boulder Creek (48.9314, -122.0258); Coal Creek (48.8889, -122.1506); Kendall Creek (48.9251, -122.1455); Kenney Creek (48.8510, -122.1368); Macaulay Creek (48.8353, -122.2345); Maple Creek (48.9262, -122.0751); Mitchell Creek (48.8313, -122.2174); North Fork Nooksack River (48.9055, -121.9886); Racehorse Creek (48.8819,

–122.1272); Smith Creek (48.8439, –122.2544); Unnamed (48.8103, –122.1855); Unnamed (48.9002, –122.1205); Unnamed (48.9040, –122.0875); Unnamed (48.9131, –122.0127); Unnamed (48.9158, –122.0091); Unnamed (48.9162, –122.0615); Unnamed (48.9200, –122.0463); Wildcat Creek (48.9058, –121.9995); Deer Creek (48.8439, –122.4839).

(v) *Nooksack River Watershed 1711000405*. Outlet(s) = Lummi River (Lat 48.8010, Long –122.6582); Nooksack River (48.7737, –122.5986); Silver Creek (48.7786, –122.5635); Slater Slough (48.7759, –122.6029); Unnamed (48.7776, –122.5708); Unnamed (48.7786, –122.5677); Unnamed (48.7973, –122.6717); Unnamed (48.8033, –122.6771) upstream to endpoint(s) in: Fishtrap Creek (49.0025, –122.4053); Fourmile Creek (48.8890, –122.4213); Lummi River (48.8198, –122.6049); Nooksack River (48.8711, –122.3227); Pepin Creek (49.0024, –122.4724); Slater Slough (48.7778, –122.6041); Tenmile Creek (48.8457, –122.3661); Unnamed (48.8191, –122.5705); Unnamed (48.8453, –122.6071); Unnamed (48.8548, –122.4749); Unnamed (48.9609, –122.5312); Unnamed (48.9634, –122.3928); Unnamed (49.0024, –122.4730); Unnamed (49.0025, –122.5218).

(2) Upper Skagit Subbasin 17110005—(i) *Skagit River/Gorge Lake Watershed 1711000504*. Outlet(s) = Skagit River (Lat 48.6725, Long –121.2633) upstream to endpoint(s) in: Goodell Creek (48.6890, –121.2718); Skagit River (48.6763, –121.2404).

(ii) *Skagit River/Diobsud Creek Watershed 1711000505*. Outlet(s) = Skagit River (Lat 48.5218, Long –121.4315) upstream to endpoint(s) in: Bacon Creek (48.6456, –121.4244); Diobsud Creek (48.5761, –121.4309); Falls Creek (48.6334, –121.4258); Skagit River (48.6725, –121.2633).

(iii) *Cascade River Watershed 1711000506*. Outlet(s) = Cascade River (Lat 48.5218, Long –121.4315) upstream to endpoint(s) in: Found Creek (48.4816, –121.2437); Kindy Creek (48.4613, –121.2094); Marble Creek (48.5398, –121.2612); North Fork Cascade River (48.4660, –121.1641); South Fork Cascade River (48.4592, –121.1494).

(iv) *Skagit River/Illabot Creek Watershed 1711000507*. Outlet(s) = Skagit River (Lat 48.5333, Long –121.7370) upstream to endpoint(s) in: Illabot Creek (48.4498, –121.4551); Jackman Creek (48.5294, –121.6957); Skagit River (48.5218, –121.4315); Unnamed (48.5013, –121.6598).

(3) Sauk Subbasin 17110006—(i) *Upper Sauk River Watershed 1711000601*. Outlet(s) = Sauk River (Lat 48.1731, Long –121.4714) upstream to endpoint(s) in: Camp Creek (48.1559, –121.2909); North Fork Sauk River (48.0962, –121.3710); Owl Creek (48.1623, –121.2948); South Fork Sauk River (48.0670, –121.4088); Swift Creek (48.1011, –121.3975); Unnamed (48.1653, –121.3288); White Chuck River (48.1528, –121.2645).

(ii) *Upper Suiattle River Watershed 1711000602*. Outlet(s) = Suiattle River (Lat 48.2586, Long –121.2237) upstream to endpoint(s) in: Downey Creek (48.2828, –121.2083); Milk Creek (48.2207, –121.1634); Suiattle River (48.2211, –121.1609); Sulphur Creek (48.2560, –121.1773); Unnamed (48.2338, –121.1792).

(iii) *Lower Suiattle River Watershed 1711000603*. Outlet(s) = Suiattle River (Lat 48.3384, Long –121.5482) upstream to endpoint(s) in: Big Creek (48.3435, –121.4416); Buck Creek (48.2753, –121.3268); Circle Creek (48.2555, –121.3395); Lime Creek (48.2445, –121.2933); Straight Creek (48.2594, –121.4009); Suiattle River (48.2586, –121.2237); Tenas Creek (48.3371, –121.4304).

(iv) *Lower Sauk River Watershed 1711000604*. Outlet(s) = Sauk River (Lat 48.4821, Long –121.6060) upstream to endpoint(s) in: Dan Creek (48.2702, –121.5473); Sauk River (48.1731, –121.4714); Unnamed (48.2247, –121.5826); Unnamed (48.3187, –121.5480).

(4) Lower Skagit Subbasin 17110007—(i) *Middle Skagit River/Finney Creek Watershed 1711000701*. Outlet(s) = Skagit River (Lat 48.4891, Long –122.2178) upstream to endpoint(s) in: Alder Creek (48.5280, –121.9498); Day Creek (48.4689, –122.0216); Finney Creek (48.4655, –121.6858); Grandy Creek (48.5510, –121.8621); Hansen Creek (48.5600, –122.2069); Jims Slough (48.5274, –122.0227); Jones Creek (48.5418, –122.0494); Mannser Creek (48.5260, –122.0430); Muddy Creek (48.5278, –122.0007); Pressentin Creek (48.5099, –121.8449); Skagit River (48.5333, –121.7370); Sorenson Creek (48.4875, –122.1029); Unnamed (48.4887, –122.0747); Unnamed (48.5312, –122.0149); Wiseman Creek (48.5160, –122.1286).

(ii) *Lower Skagit River/Nookachamps Creek Watershed 1711000702*. Outlet(s) = Browns Slough (Lat 48.3305, Long –122.4194); Freshwater Slough (48.3109, –122.3883); Hall Slough (48.3394, –122.4426); Isohis Slough (48.2975, –122.3711); North Fork Skagit River (48.3625, –122.4689); South Fork

Skagit River (48.2920, –122.3670); Unnamed (48.3085, –122.3868); Unnamed (48.3831, –122.4842) upstream to endpoint(s) in: Britt Slough (48.3935, –122.3571); Browns Slough (48.3411, –122.4127); East Fork Nookachamps Creek (48.4044, –122.1790); Hall Slough (48.3437, –122.4376); Mundt Creek (48.4249, –122.2007); Skagit River (48.4891, –122.2178); Unnamed (48.3703, –122.3081); Unnamed (48.3827, –122.1893); Unnamed (48.3924, –122.4822); Walker Creek (48.3778, –122.1899).

(5) Stillaguamish Subbasin 17110008—(i) *North Fork Stillaguamish River Watershed 1711000801*. Outlet(s) = North Fork Stillaguamish River (Lat 48.2037, Long –122.1256) upstream to endpoint(s) in: Ashton Creek (48.2545, –121.6708); Boulder River (48.2624, –121.8090); Deer Creek (48.2835, –121.9255); French Creek (48.2534, –121.7856); Furland Creek (48.2624, –121.6749); Grant Creek (48.2873, –122.0118); North Fork Stillaguamish River (48.3041, –121.6360); Rollins Creek (48.2908, –121.8441); Squire Creek (48.2389, –121.6374); Unnamed (48.2393, –121.6285); Unnamed (48.2739, –121.9948).

(ii) *South Fork Stillaguamish River Watershed 1711000802*. Outlet(s) = South Fork Stillaguamish River (Lat 48.2037, Long –122.1256) upstream to endpoint(s) in: Jim Creek (48.2230, –121.9483); North Fork Canyon Creek (48.1697, –121.8194); Siberia Creek (48.1731, –122.0377); South Fork Canyon Creek (48.1540, –121.7840); South Fork Stillaguamish River (48.0454, –121.4819); Unnamed (48.1463, –122.0162).

(iii) *Lower Stillaguamish River Watershed 1711000803*. Outlet(s) = Stillaguamish River (Lat 48.2385, Long –122.3749); Unnamed (48.1983, –122.3579) upstream to endpoint(s) in: Armstrong Creek (48.2189, –122.1347); Pilchuck Creek (48.2983, –122.1672); Stillaguamish River (48.2037, –122.1256).

(6) Skykomish Subbasin 17110009—(i) *Tye and Beckler River Watershed 1711000901*. Outlet(s) = South Fork Skykomish River (Lat 47.7147, Long –121.3393) upstream to endpoint(s) in: East Fork Foss River (47.6522, –121.2792); Rapid River (47.8131, –121.2470); Tye River (47.7172, –121.2254); Unnamed (47.8241, –121.2979); West Fork Foss River (47.6444, –121.2972).

(ii) *Skykomish River Forks Watershed 1711000902*. Outlet(s) = North Fork Skykomish River (Lat 47.8133, Long –121.5782) upstream to endpoint(s) in: Bridal Veil Creek (47.7987, –121.5597);

Lewis Creek (47.8223, -121.5160); Miller River (47.7018, -121.3950); Money Creek (47.7208, -121.4062); North Fork Skykomish River (47.9183, -121.3073); South Fork Skykomish River (47.7147, -121.3393); Unnamed (47.7321, -121.4176); Unnamed (47.8002, -121.5548).

(iii) *Skykomish River/Wallace River Watershed 1711000903*. Outlet(s) = Skykomish River (Lat 47.8602, Long -121.8190) upstream to endpoint(s) in: Deer Creek (47.8191, -121.5805); Olney Creek (47.8796, -121.7163); Proctor Creek (47.8216, -121.6460); Skykomish River (47.8133, -121.5782); Unnamed (47.8507, -121.8010); Wagleys Creek (47.8674, -121.7972); Wallace River (47.8736, -121.6491).

(iv) *Sultan River Watershed 1711000904*. Outlet(s) = Sultan River (Lat 47.8602, Long -121.8190) upstream to endpoint(s) in: Sultan River (47.9598, -121.7951).

(v) *Skykomish River/Woods Creek Watershed 1711000905*. Outlet(s) = Skykomish River (Lat 47.8303, Long -122.0451) upstream to endpoint(s) in: Elwell Creek (47.8038, -121.8524); Skykomish River (47.8602, -121.8190); Unnamed (47.8890, -121.8637); West Fork Woods Creek (47.9627, -121.9707); Woods Creek (47.8953, -121.8742); Youngs Creek (47.8081, -121.8332).

(7) *Snoqualmie Subbasin 17110010—(i) Middle Fork Snoqualmie River Watershed 1711001003*. Outlet(s) = Snoqualmie River (Lat 47.6407, Long -121.9261) upstream to endpoint(s) in: Canyon Creek (47.5837, -121.9623); Deep Creek (47.4764, -121.8905); Griffin Creek (47.6164, -121.9014); Lake Creek (47.5036, -121.9035); Patterson Creek (47.6276, -121.9855); Raging River (47.4795, -121.8691); Snoqualmie River (47.5415, -121.8362); Tokul Creek (47.5563, -121.8285).

(ii) *Lower Snoqualmie River Watershed 1711001004*. Outlet(s) = Snoqualmie River (Lat 47.8303, Long -122.0451) upstream to endpoint(s) in: Cherry Creek (47.7465, -121.8953); Margaret Creek (47.7547, -121.8933); North Fork Tolt River (47.7060, -121.7957); Snoqualmie River (47.6407, -121.9261); South Fork Tolt River (47.6969, -121.7861); Tuck Creek (47.7442, -122.0032); Unnamed (47.6806, -121.9730); Unnamed (47.6822, -121.9770); Unnamed (47.7420, -122.0084); Unnamed (47.7522, -121.9745); Unnamed (47.7581, -121.9586).

(8) *Snohomish Subbasin 17110011—(i) Pilchuck River Watershed 1711001101*. Outlet(s) = Pilchuck River (Lat 47.9013, Long -122.0917) upstream to endpoint(s) in: Pilchuck River (48.0052, -121.7718).

(ii) *Snohomish River Watershed 1711001102*. Outlet(s) = Quilceda Creek (Lat 48.0556, Long -122.1908); Skykomish River (48.0173, -122.1877); Steamboat Slough (48.0365, -122.1814); Union Slough (48.0299, -122.1794); Unnamed (48.0412, -122.1723) upstream to endpoint(s) in: Allen Creek (48.0767, -122.1404); Quilceda Creek (48.1124, -122.1540); Skykomish River (47.8303, -122.0451); Unnamed (47.9545, -122.1969); Unnamed (47.9777, -122.1632); Unnamed (48.0019, -122.1283); Unnamed (48.0055, -122.1303); Unnamed (48.1330, -122.1472).

(9) *Lake Washington Subbasin 17110012—(i) Cedar River Watershed 1711001201*. Outlet(s) = Cedar River (Lat 47.5003, Long -122.2146) upstream to endpoint(s) in: Cedar River (47.4192, -121.7805); Rock Creek (47.3673, -122.0132); Unnamed (47.4092, -122.0358); Webster Creek (47.3857, -121.9845).

(ii) *Lake Washington Watershed 1711001203*. Outlet(s) = Lake Washington (Lat 47.6654, Long -122.3960) upstream to endpoint(s) in: Cedar River (47.5003, -122.2146); Sammamish River (47.7543, -122.2465).

(10) *Duwamish Subbasin 17110013—(i) Upper Green River Watershed 1711001301*. Outlet(s) = Green River (Lat 47.2234, Long -121.6081) upstream to endpoint(s) in: Friday Creek (47.2204, -121.4559); Intake Creek (47.2058, -121.4049); McCain Creek (47.2093, -121.5292); Sawmill Creek (47.2086, -121.4675); Smay Creek (47.2508, -121.5872); Snow Creek (47.2607, -121.4046); Sunday Creek (47.2587, -121.3659); Tacoma Creek (47.1875, -121.3630); Unnamed (47.2129, -121.4579).

(ii) *Middle Green River Watershed 1711001302*. Outlet(s) = Green River (Lat 47.2911, Long -121.9714) upstream to endpoint(s) in: Bear Creek (47.2774, -121.7990); Cougar Creek (47.2439, -121.6442); Eagle Creek (47.3051, -121.7219); Gale Creek (47.2644, -121.7085); Green River (47.2234, -121.6081); Piling Creek (47.2820, -121.7553); Sylvester Creek (47.2457, -121.6537); Unnamed (47.2360, -121.6333).

(iii) *Lower Green River Watershed 1711001303*. Outlet(s) = Duwamish River (Lat 47.5113, Long -122.2951) upstream to endpoint(s) in: Big Soos Creek (47.4191, -122.1599); Burns Creek (47.2779, -122.1087); Covington Creek (47.3341, -122.0399); Crisp Creek (47.2897, -122.0590); Green River (47.2911, -121.9714); Jenkins Creek (47.3791, -122.0899); Little Soos Creek (47.4031, -122.1235); Mill Creek (47.3263, -122.2455); Newaukum Creek

(47.2303, -121.9518); Unnamed (47.2765, -121.9730); Unnamed (47.2891, -122.1557); Unnamed (47.3007, -122.1774); Unnamed (47.3250, -122.1961); Unnamed (47.3464, -122.2397); Unnamed (47.3751, -122.2648); Unnamed (47.4046, -122.2134); Unnamed (47.4525, -122.2354); Unnamed (47.4618, -122.2315); Unnamed (47.4619, -122.2554); Unnamed (47.4876, -122.2781).

(11) *Puyallup Subbasin 17110014—(i) Upper White River Watershed 1711001401*. Outlet(s) = White River (Lat 47.1588, Long -121.6587) upstream to endpoint(s) in: Greenwater River (47.1204, -121.5055); Huckleberry Creek (47.0612, -121.6033); Pinochle Creek (47.0478, -121.7043); Unnamed (46.9935, -121.5295); West Fork White River (47.0483, -121.6916); Wrong Creek (47.0403, -121.6999).

(ii) *Lower White River Watershed 1711001402*. Outlet(s) = White River (Lat 47.2001, Long -122.2579) upstream to endpoint(s) in: Boise Creek (47.1958, -121.9467); Camp Creek (47.1430, -121.7012); Clearwater River (47.0852, -121.7823); Unnamed (47.1509, -121.7236); Unnamed (47.2247, -122.1072); Unnamed (47.2307, -122.1079); Unnamed (47.2383, -122.2234); Unnamed (47.2498, -122.2346); White River (47.1588, -121.6587).

(iii) *Carbon River Watershed 1711001403*. Outlet(s) = Carbon River (Lat 47.1308, Long -122.2315) upstream to endpoint(s) in: Carbon River (46.9965, -121.9198); South Fork South Prairie Creek (47.1203, -121.9963); Voight Creek (47.0751, -122.1285); Wilkeson Creek (47.0972, -122.0245).

(iv) *Upper Puyallup River Watershed 1711001404*. Outlet(s) = Puyallup River (Lat 47.1308, Long -122.2315) upstream to endpoint(s) in: Deer Creek (46.8547, -121.9680); Kapowsin Creek (46.9854, -122.2008); Kellogg Creek (46.9164, -122.0652); Mowich River (46.9209, -121.9739); Rushingwater Creek (46.8971, -121.9439); Unnamed (46.8867, -122.0194); Unnamed (46.8899, -121.9657).

(v) *Lower Puyallup River Watershed 1711001405*. Outlet(s) = Hylebos Creek (Lat 47.2611, Long -122.3591); Puyallup River (47.2501, -122.4131) upstream to endpoint(s) in: Canyonfalls Creek (47.1421, -122.2186); Clarks Creek (47.1757, -122.3168); Clear Creek (47.2187, -122.3727); Fennel Creek (47.1495, -122.1849); Puyallup River (47.1308, -122.2315); Unnamed (47.1779, -122.1992); Unnamed (47.1799, -122.3066); Unnamed (47.1928, -122.3371); Unnamed

(47.2723, -122.3216); West Hylebos Creek (47.2736, -122.3289).

(12) Nisqually Subbasin 17110015—
(i) *Mashel/Ohop Watershed 1711001502*. Outlet(s) = Nisqually River (Lat 46.8646, Long -122.4776) upstream to endpoint(s) in: Little Mashel River (46.8504, -122.2724); Lynch Creek (46.8760, -122.2625); Mashel River (46.8431, -122.1205); Nisqually River (46.8303, -122.3225); Ohop Creek (46.9264, -122.2603); Powell Creek (46.8528, -122.4505); Tanwax Creek (46.8630, -122.4549); Twentyfive Mile Creek (46.9274, -122.2558).

(ii) *Lowland Watershed 1711001503*. Outlet(s) = McAllister Creek (Lat 47.1120, Long -122.7215); Nisqually River (47.1110, -122.7026); Unnamed (47.0071, -122.6556); Yelm Creek (46.9712, -122.6263) upstream to endpoint(s) in: Horn Creek (46.9042, -122.4776); McAllister Creek (47.0299, -122.7236); Nisqually River (46.8646, -122.4776); Unnamed (46.9108, -122.5032); Unnamed (47.0001, -122.6510); Unnamed (47.0055, -122.6520); Yelm Creek (46.9629, -122.6194). Excluded is that segment of the Nisqually River from Lat 47.0703, Long -122.7017, to Lat 46.9668, Long -122.5640.

(13) Skokomish Subbasin 17110017—
Skokomish River Watershed 1711001701. Outlet(s) = Skokomish River (Lat 47.3543, Long -123.1122);

Unnamed (47.3420, -123.1092); Unnamed (47.3471, -123.1275); Unnamed (47.3509, -123.1101) upstream to endpoint(s) in: Brown Creek (47.4238, -123.3052); Fir Creek (47.3363, -123.3016); McTaggart Creek (47.3749, -123.2318); North Fork Skokomish River (47.5197, -123.3329); Purdy Canyon (47.3021, -123.1803); Unnamed (47.3048, -123.1528); Unnamed (47.3077, -123.2012); Unnamed (47.3146, -123.1353); Unnamed (47.3209, -123.2212); Unnamed (47.3222, -123.3060); Unnamed (47.3237, -123.1467); Unnamed (47.3250, -123.1250); Vance Creek (47.3300, -123.3137); Weaver Creek (47.3097, -123.2384).

(14) Hood Canal Subbasin 17110018—
(i) *Hamma Hamma River Watershed 1711001803*. Outlet(s) = Hamma Hamma River (Lat 47.5471, Long -123.0440) upstream to endpoint(s) in: Hamma Hamma River (47.5590, -123.0632); North Fork John Creek (47.5442, -123.0696).

(ii) *Duckabush River Watershed 1711001804*. Outlet(s) = Duckabush River (Lat 47.6502, Long -122.9348) upstream to endpoint(s) in: Duckabush River (47.6825, -123.0675).

(iii) *Dosewallips River Watershed 1711001805*. Outlet(s) = Dosewallips River (Lat 47.6881, Long -122.8945); Unnamed (47.6857, -122.8967) upstream to endpoint(s) in: Dosewallips

River (47.7289, -123.1111); Rocky Brook (47.7212, -122.9405); Unnamed (47.6886, -122.8977).

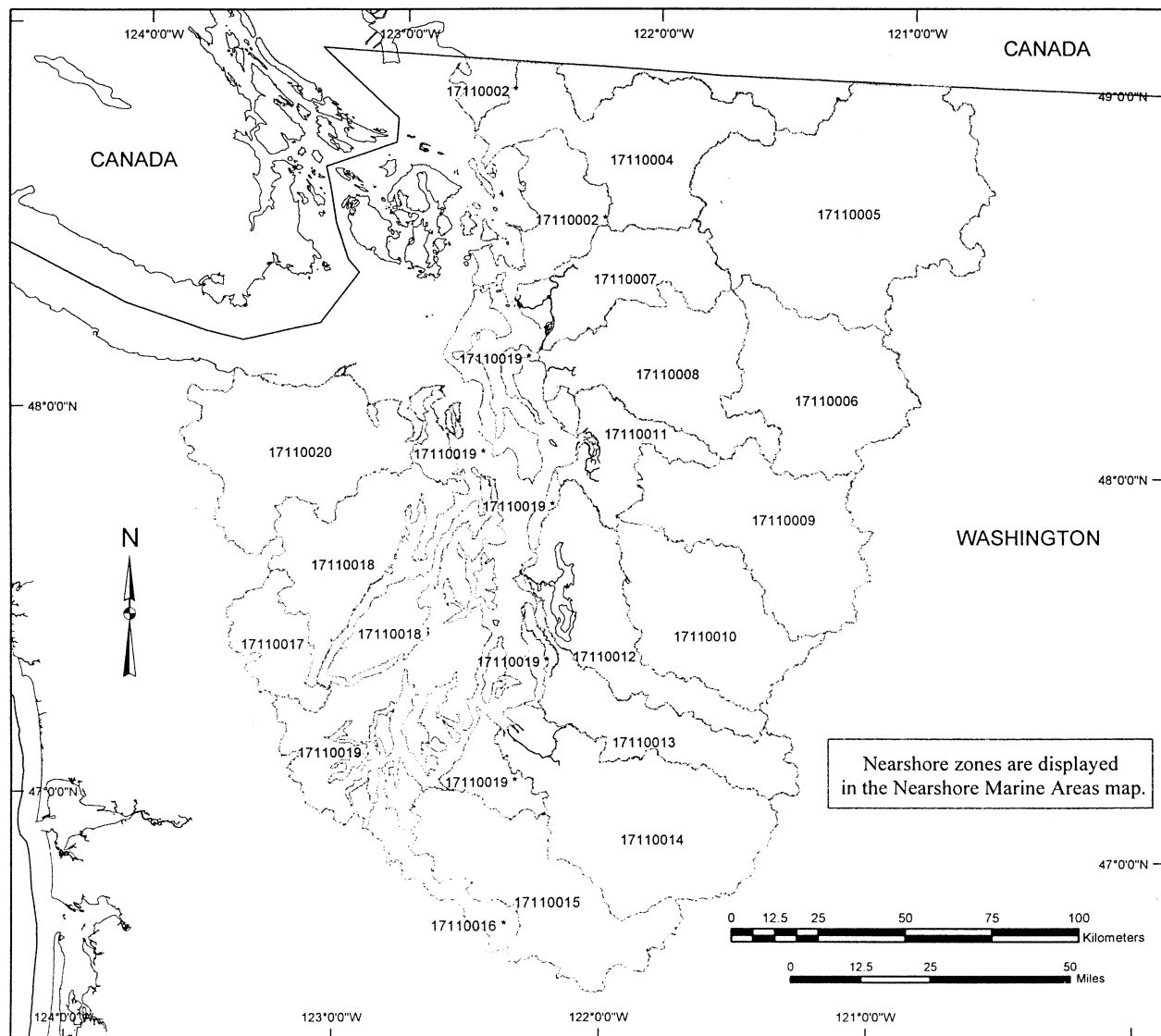
(15) Dungeness/Elwha 17110020—(i) *Dungeness River Watershed 1711002003*. Outlet(s) = Dungeness River (Lat 48.1506, Long -123.1311); Unnamed (48.1537, -123.1267) upstream to endpoint(s) in: Dungeness River (47.9386, -123.0885); Gray Wolf River (47.9168, -123.2409); Matriotti Creek (48.1368, -123.1428); Unnamed (48.1514, -123.1216).

(ii) *Elwha River Watershed 1711002007*. Outlet(s) = Elwha River (Lat 48.1466, Long -123.5671); Unnamed (48.1483, -123.5599) upstream to endpoint(s) in: Elwha River (48.0927, -123.5614).

(16) Nearshore Marine Areas—Except as provided in paragraph (e) of this section, critical habitat includes all nearshore marine areas (including areas adjacent to islands) of the Strait of Georgia (south of the international border), Puget Sound, Hood Canal, and the Strait of Juan de Fuca (to the western end of the Elwha River delta) from the line of extreme high tide out to a depth of 30 meters.

(17) Maps of critical habitat for the Puget Sound chinook salmon ESU follow:

BILLING CODE 3510-22-P

Map of the Puget Sound Chinook Salmon ESU**Legend**

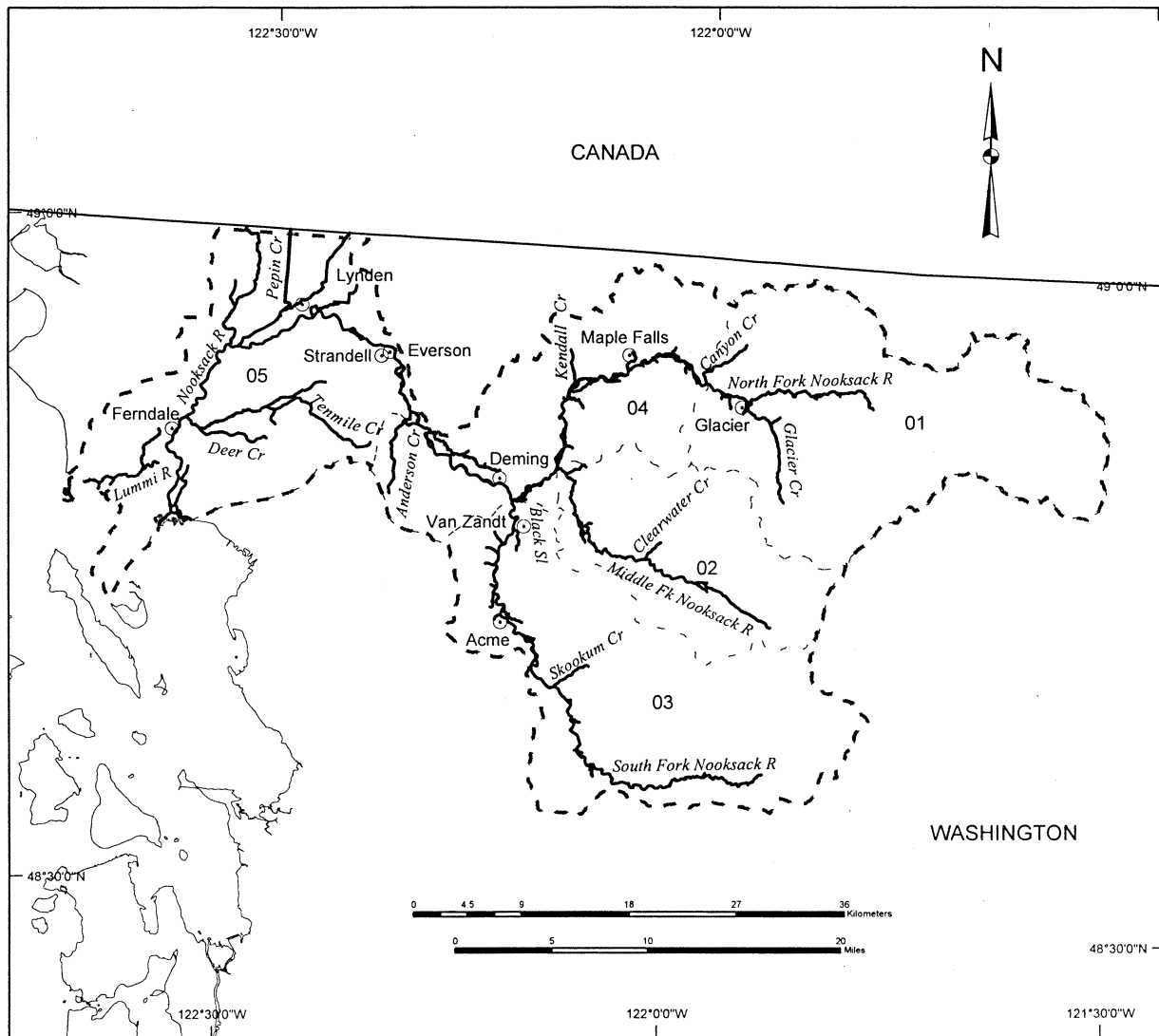
- State Boundaries
- Subbasin Boundaries

* All habitat areas in subbasin are proposed for exclusion

Area of Detail

Final Critical Habitat for the Puget Sound Chinook Salmon ESU

**NOOKSACK SUBBASIN
17110004**



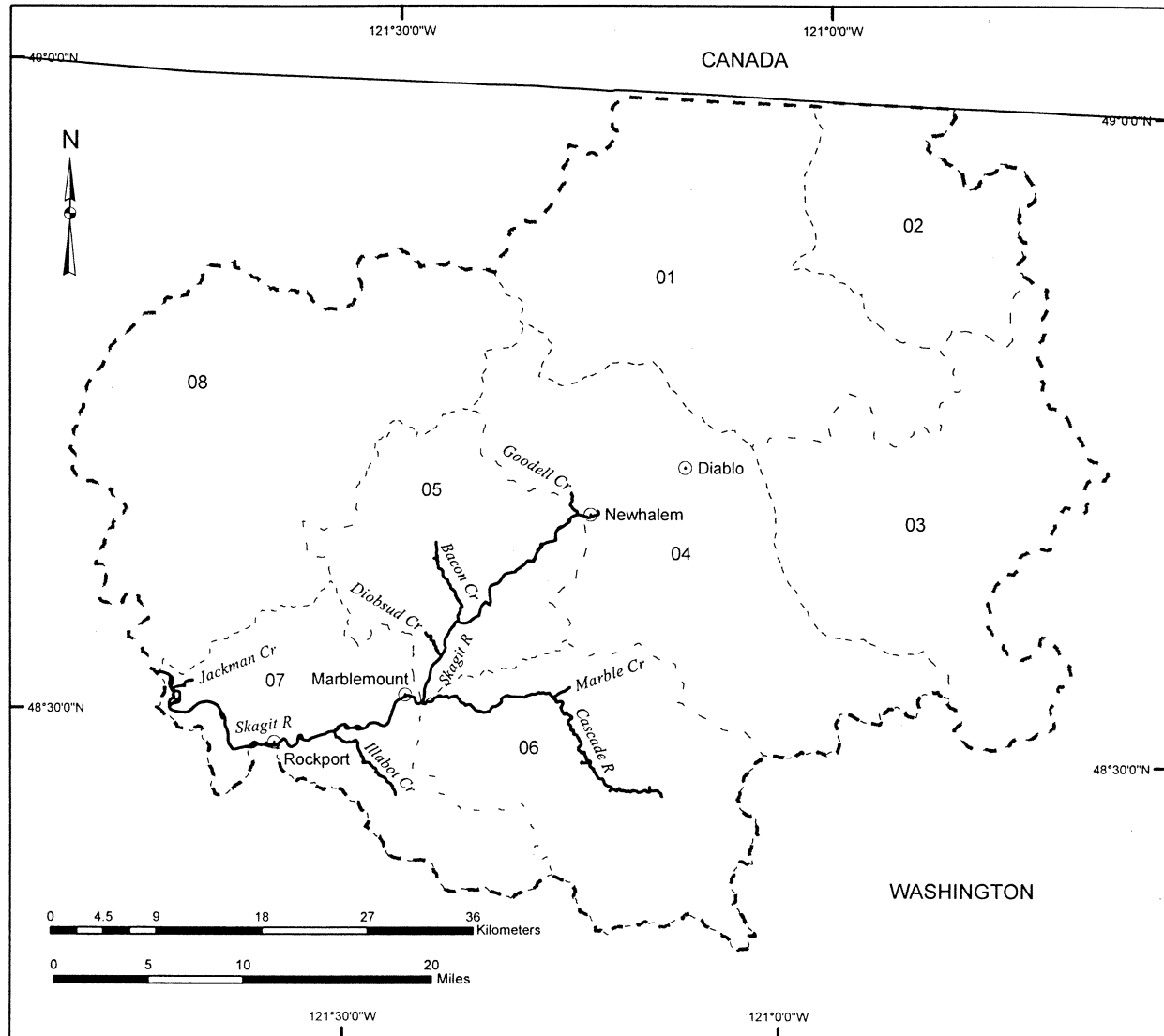
Legend

- Cities / Towns
- State Boundary
- ~ Shoreline
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 05 = Watershed code - last 2 digits of 17110004xx

Area of Detail



**Final Critical Habitat for the
Puget Sound Chinook Salmon ESU****UPPER SKAGIT SUBBASIN
17110005****Legend**

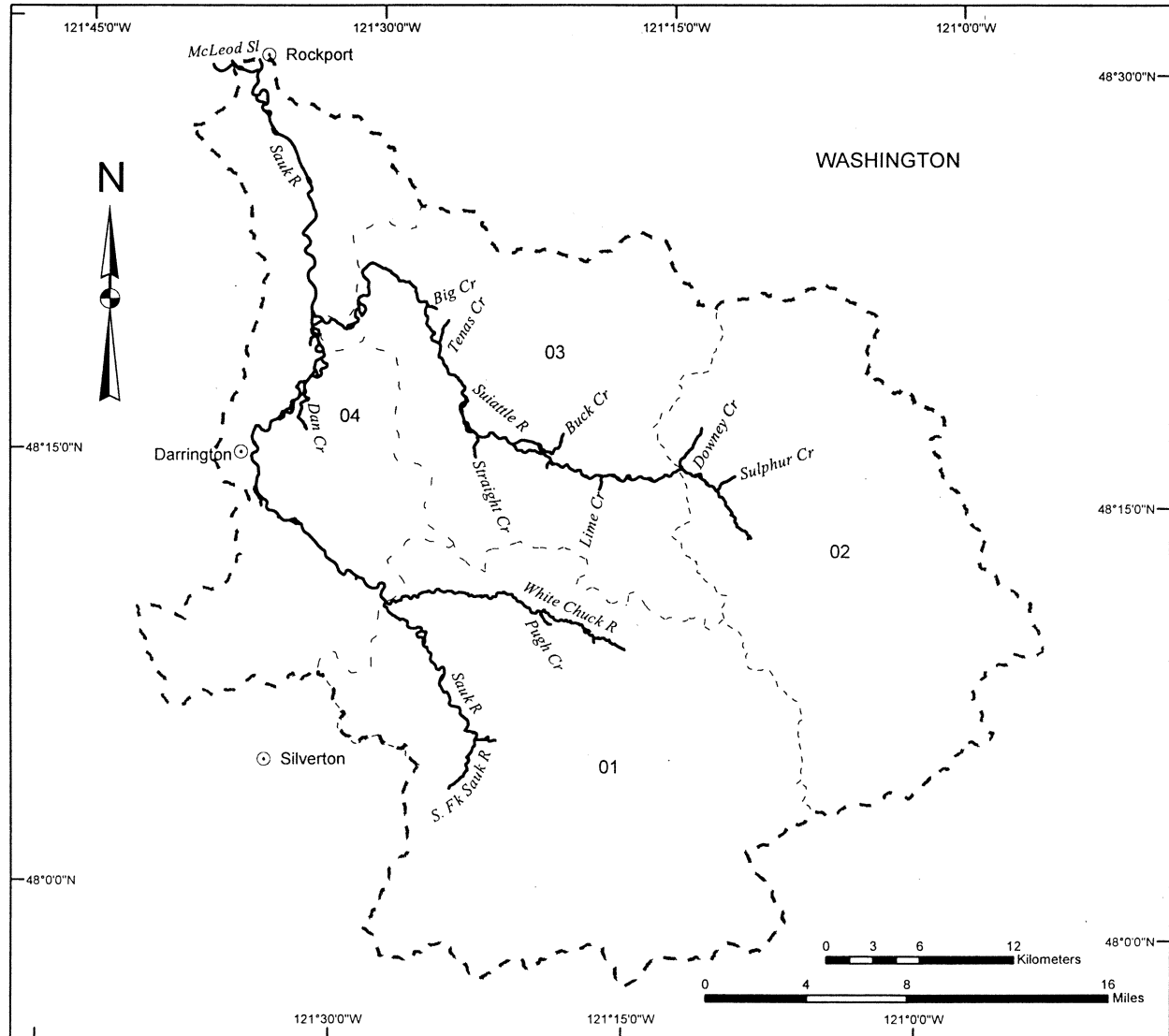
- ⊙ Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 08 = Watershed code - last 2 digits of 17110005xx

Area of Detail

Final Critical Habitat for the Puget Sound Chinook Salmon ESU

**SAUK SUBBASIN
17110006**



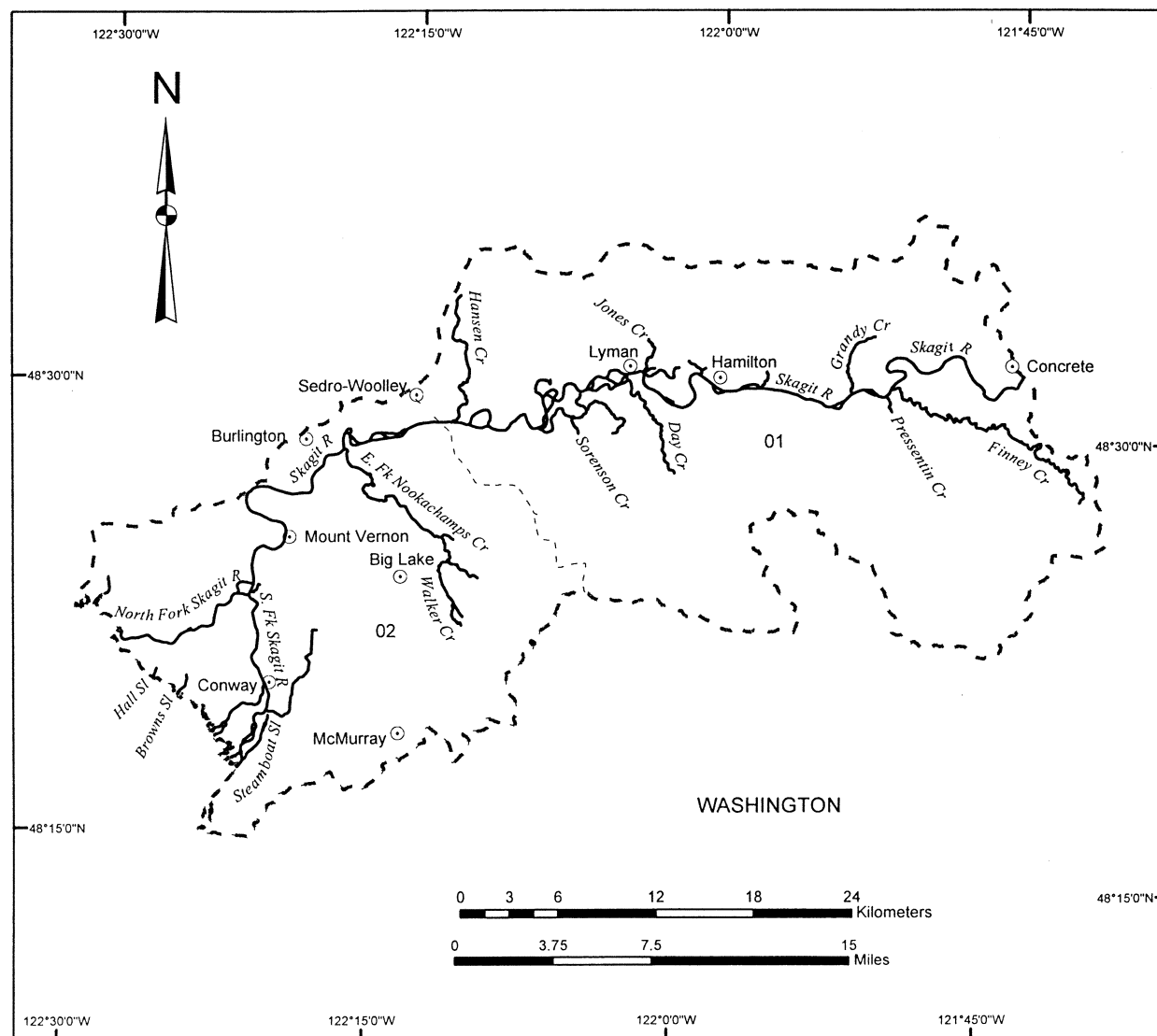
Legend

- Cities / Towns
- ~~~~ Critical Habitat
- - - Subbasin Boundary
- · · Watershed Boundaries

01 - 04 = Watershed code - last 2 digits of 17110006xx

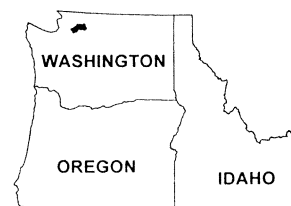
Area of Detail



**Final Critical Habitat for the
Puget Sound Chinook Salmon ESU****LOWER SKAGIT SUBBASIN
17110007****Legend**

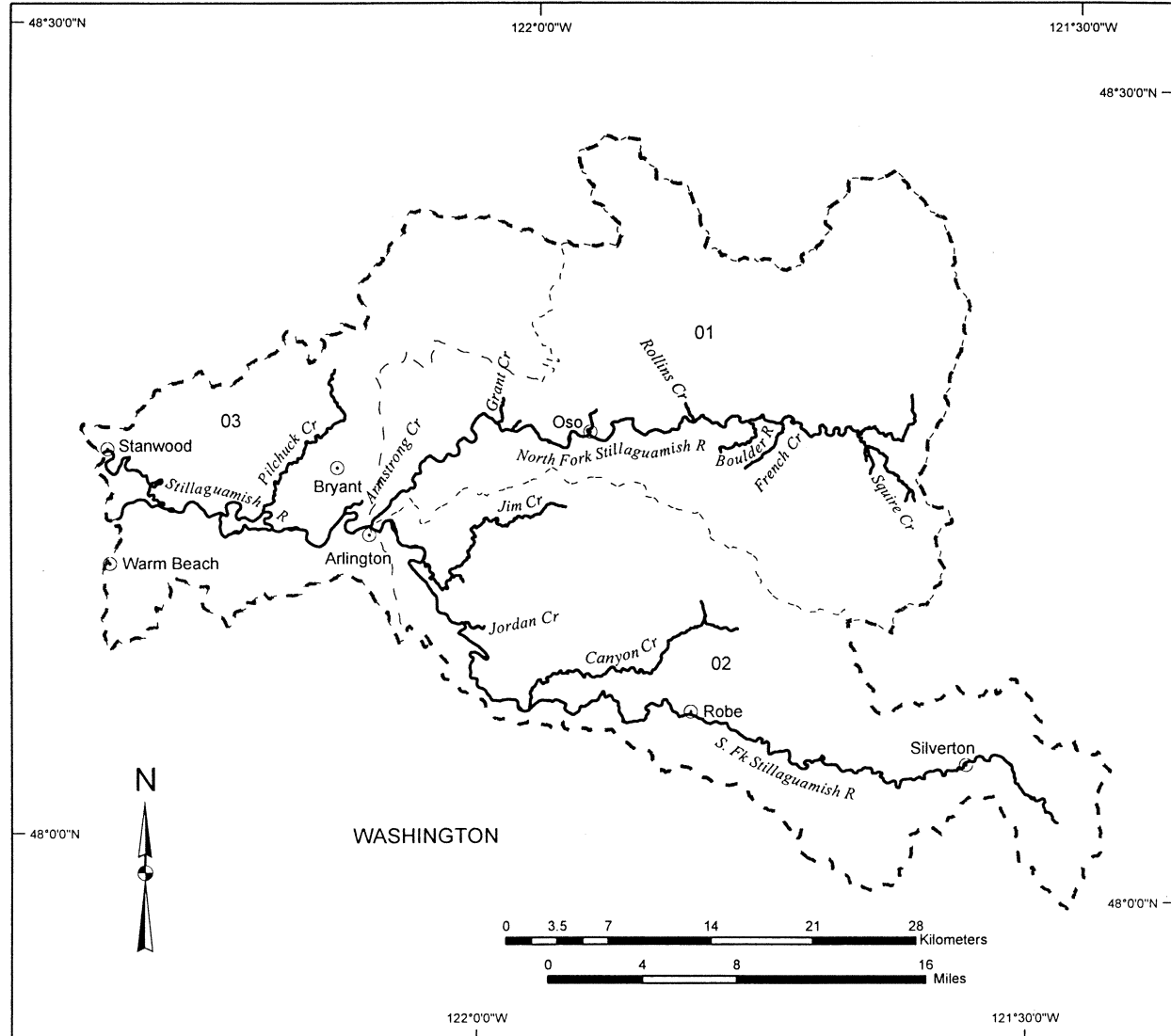
- Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 02 = Watershed code - last 2 digits of 17110007xx

Area of Detail

Final Critical Habitat for the Puget Sound Chinook Salmon ESU

**STILLAGUAMISH SUBBASIN
17110008**

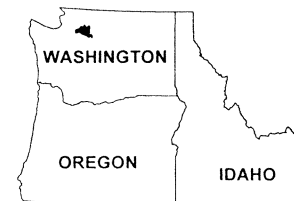


Legend

- Cities / Towns
- ~~~~ Critical Habitat
- - - Subbasin Boundary
- ... Watershed Boundaries

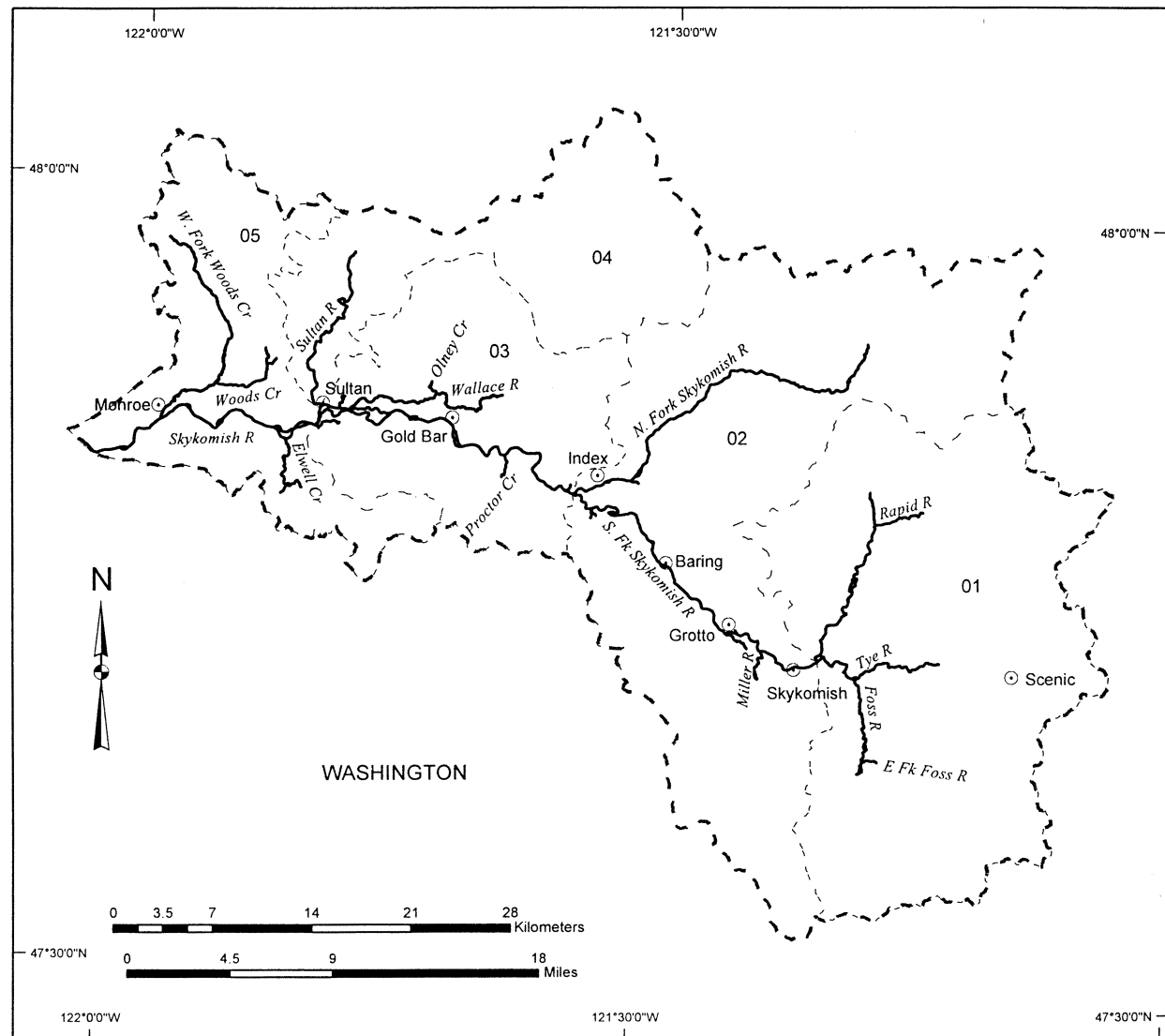
01 - 03 = Watershed code - last 2 digits of 17110008xx

Area of Detail



Final Critical Habitat for the Puget Sound Chinook Salmon ESU

**SKYKOMISH SUBBASIN
17110009**



Legend

- ⊙ Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

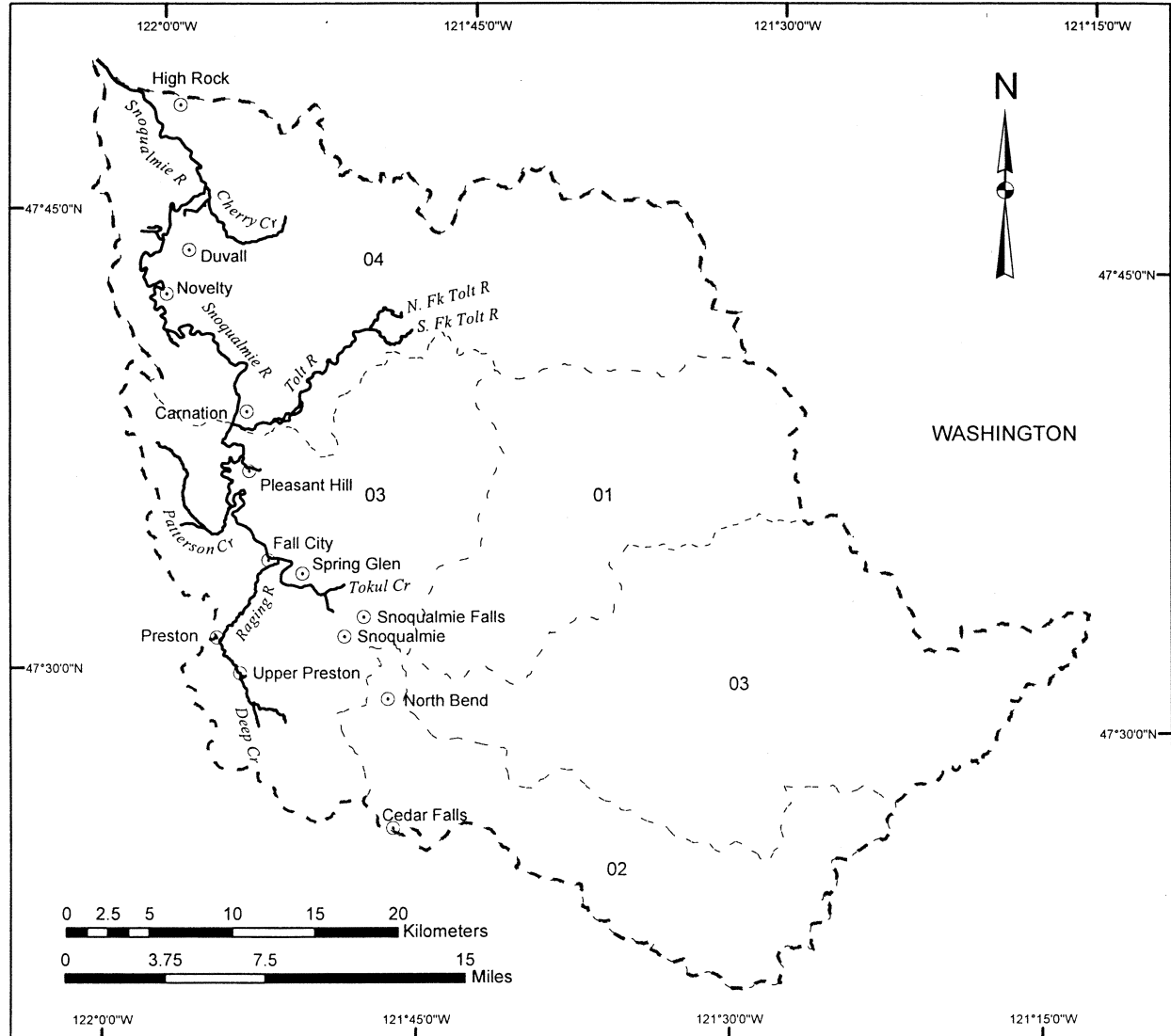
01 - 05 = Watershed code - last 2 digits of 17110009xx

Area of Detail



Final Critical Habitat for the Puget Sound Chinook Salmon ESU

**SNOQUALMIE SUBBASIN
17110010**



Legend

- Cities / Towns
- ~~~~~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

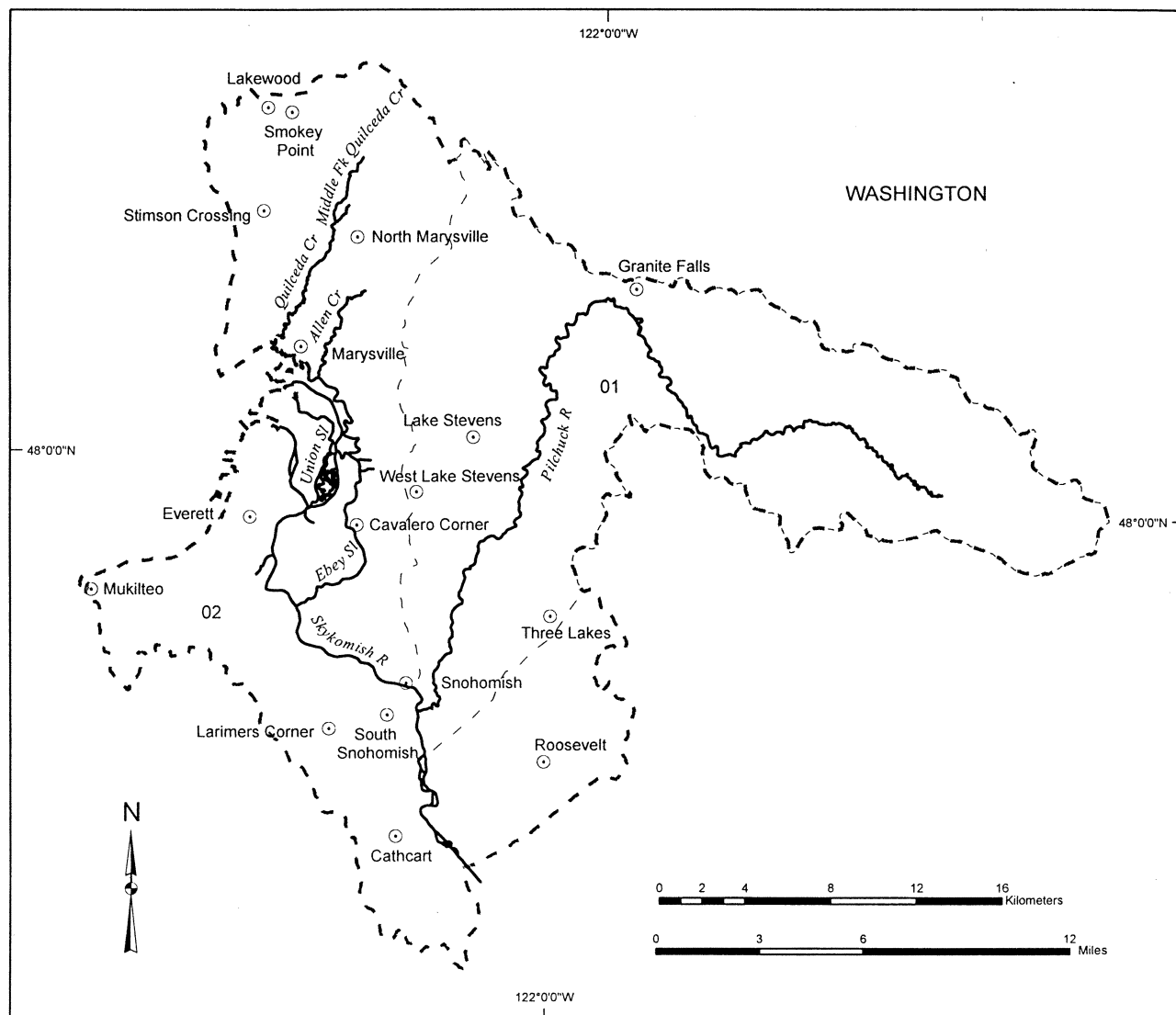
01 - 04 = Watershed code - last 2 digits of 17110010xx

Area of Detail



Final Critical Habitat for the Puget Sound Chinook Salmon ESU

**SNOHOMISH SUBBASIN
17110011**

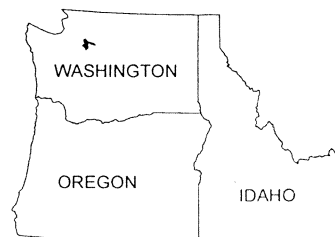


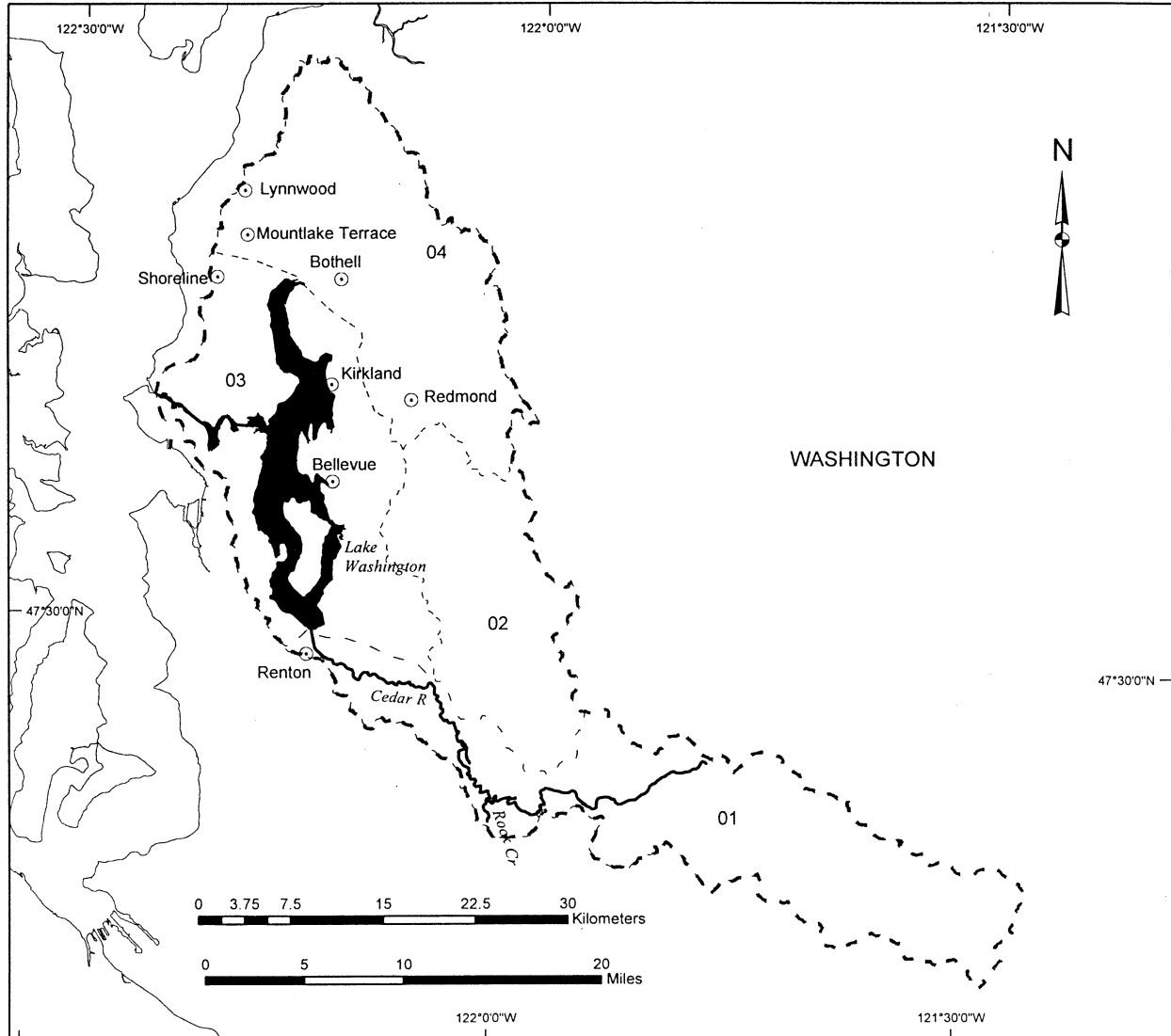
Legend

- Cities / Towns
- ~~~~ Critical Habitat
- - - Subbasin Boundary
- Watershed Boundaries

01 - 02 = Watershed code - last 2 digits of 17110011xx

Area of Detail

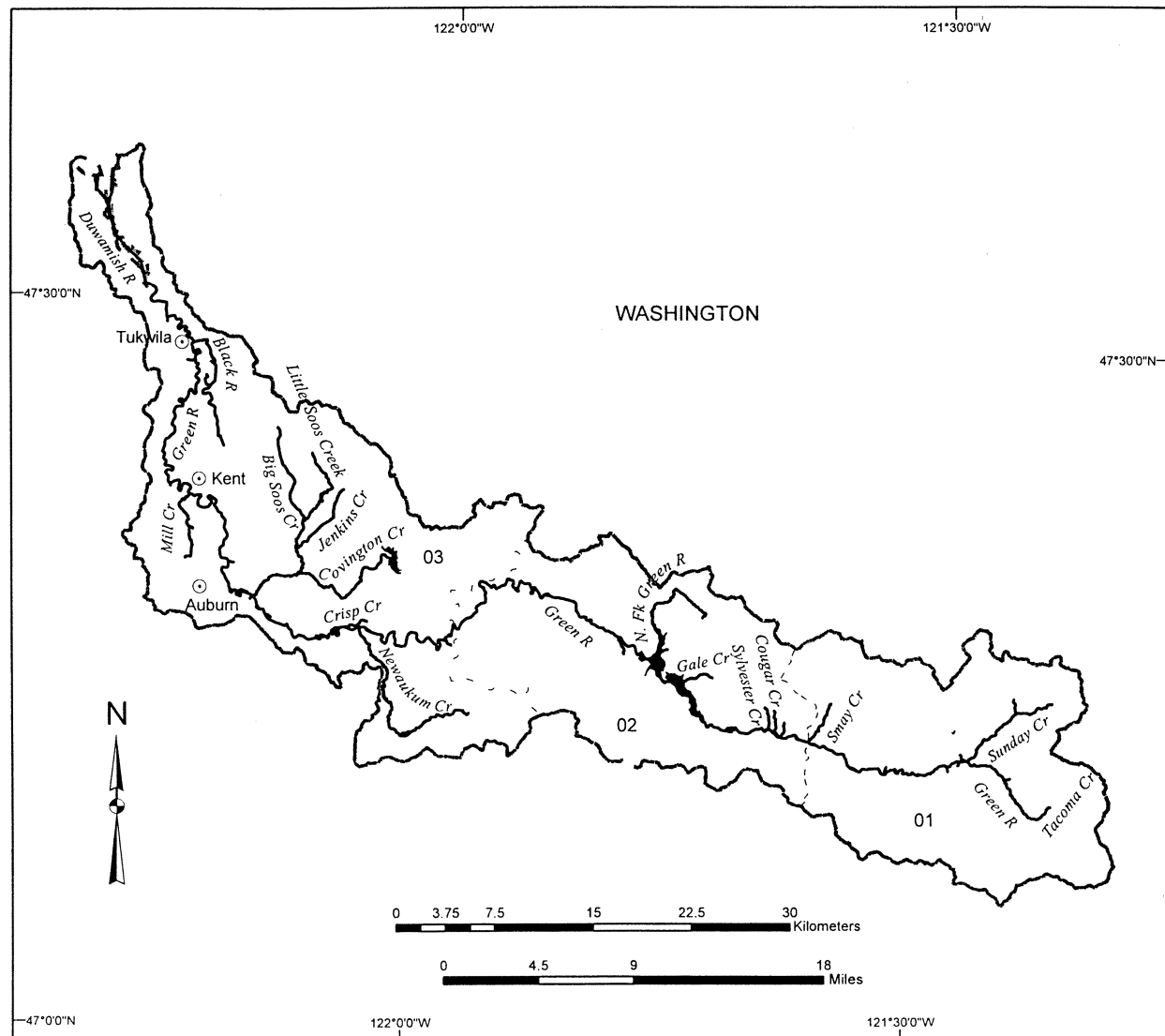


**Final Critical Habitat for the
Puget Sound Chinook Salmon ESU****LAKE WASHINGTON SUBBASIN
17110012****Legend**

- Cities / Towns
- ~~~~~ Shoreline
- ~~~~~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- · · Watershed Boundaries

01 - 04 = Watershed code - last 2 digits of 17110012xx

Area of Detail

**Final Critical Habitat for the
Puget Sound Chinook Salmon ESU****DUWAMISH SUBBASIN
17110013****Legend**

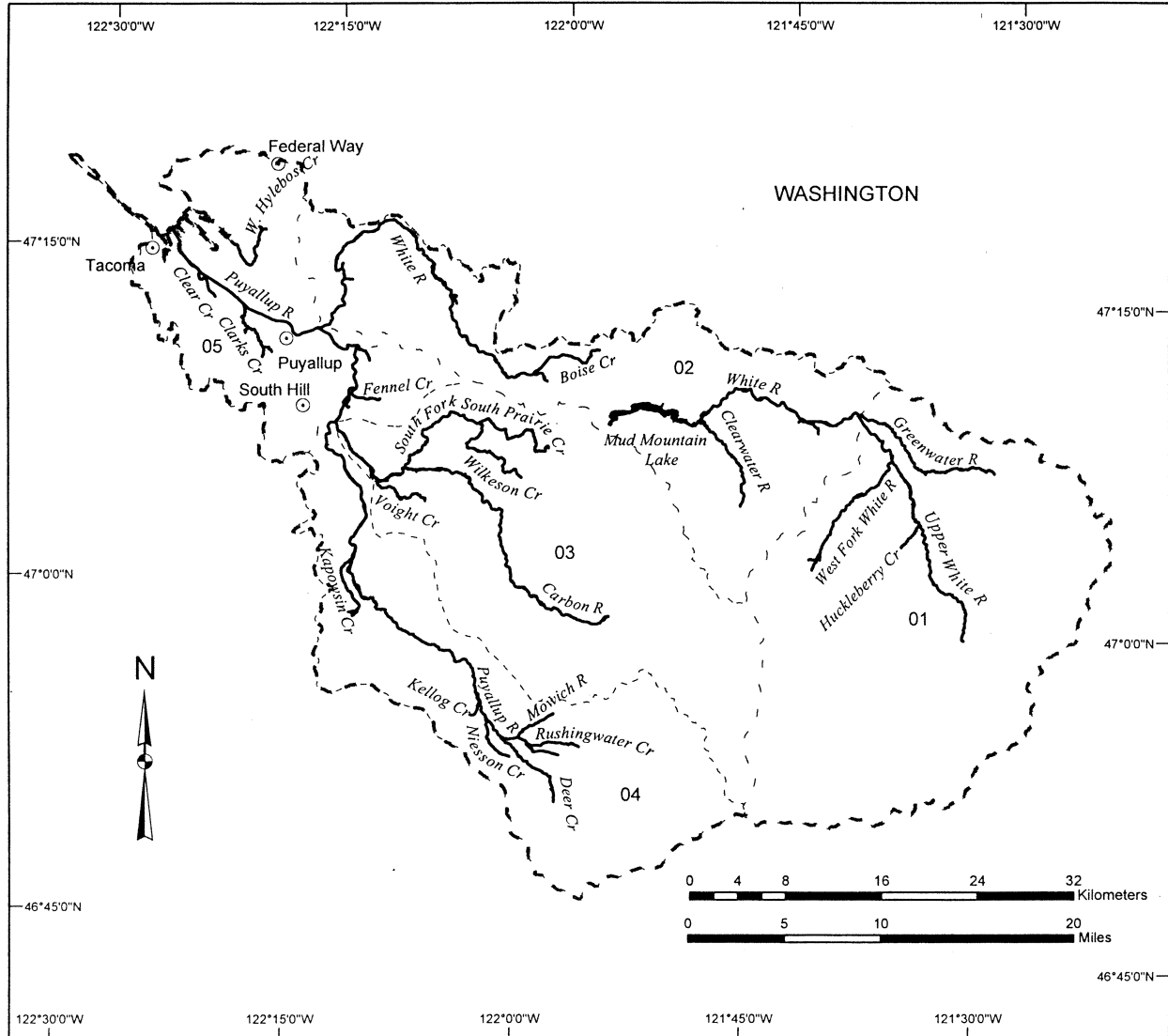
- ⊙ Cities / Towns
- ~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- Watershed Boundaries

01 - 03 = Watershed code - last 2 digits of 17110013xx

Area of Detail

Final Critical Habitat for the Puget Sound Chinook Salmon ESU

**PUYALLUP SUBBASIN
17110014**

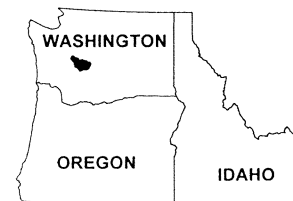


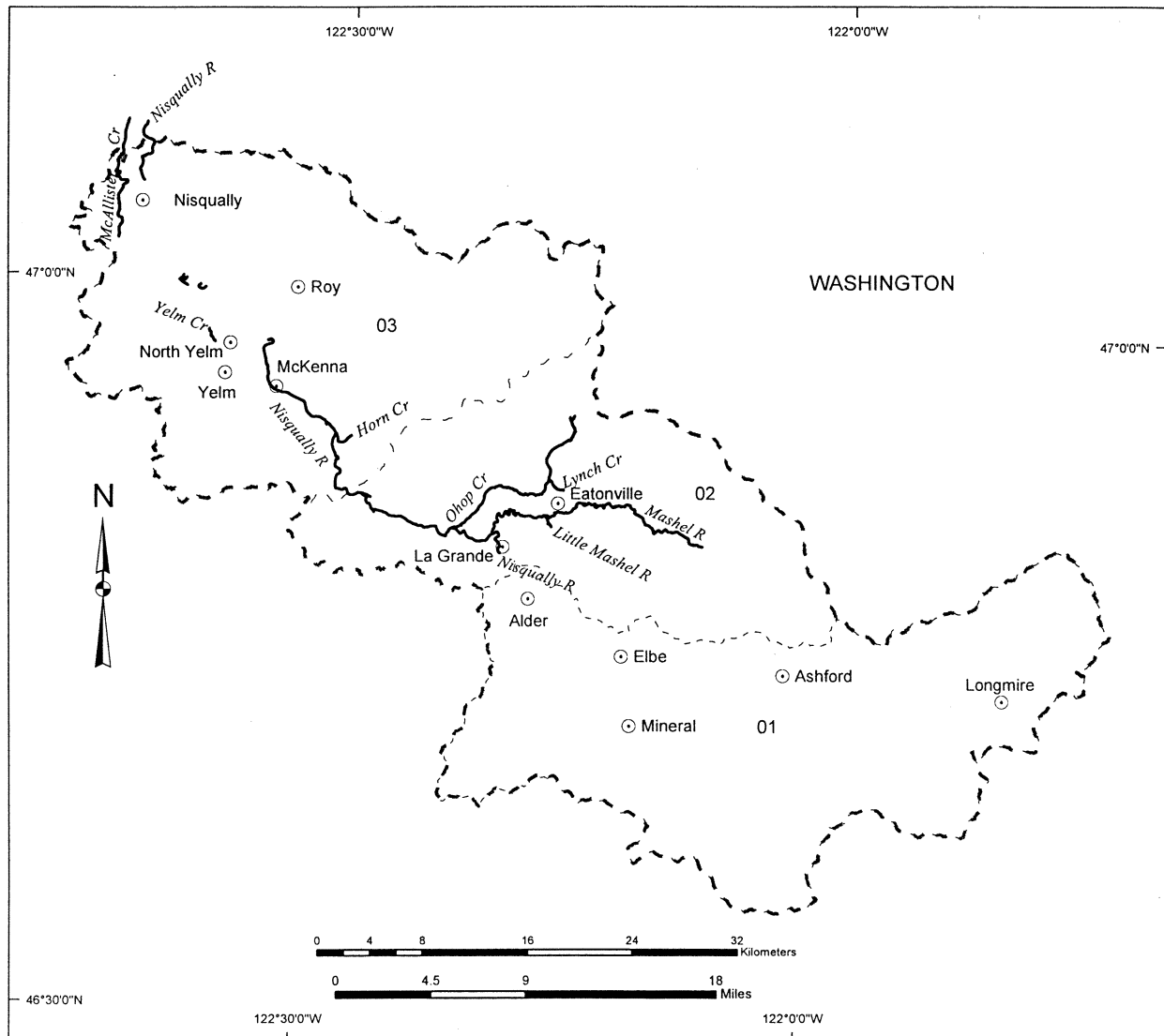
Legend

- Cities / Towns
- ~~~~~ Critical Habitat
- · - · - Subbasin Boundary
- - - - - Watershed Boundaries

01 - 05 = Watershed code - last 2 digits of 17110014xx

Area of Detail

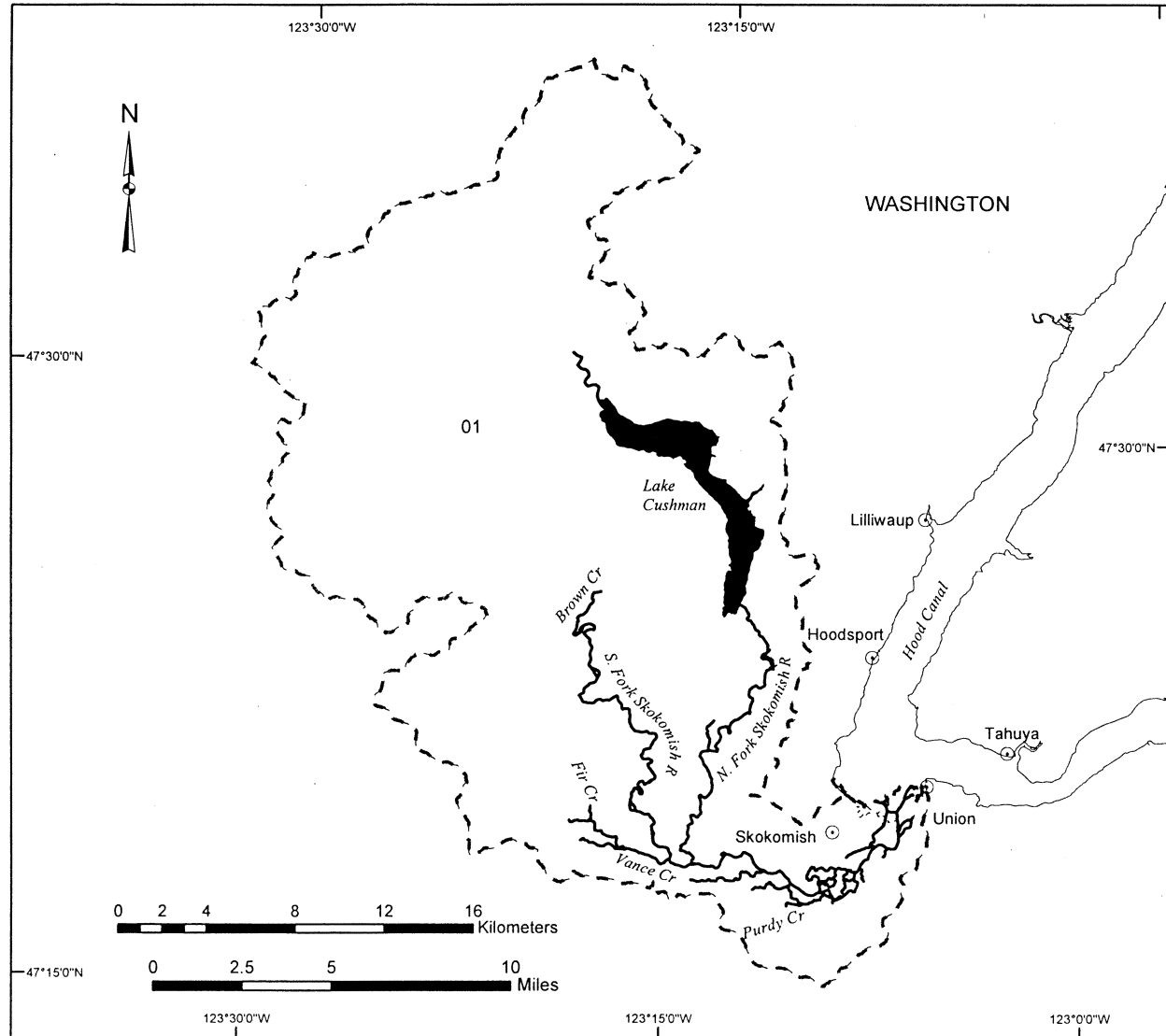


**Final Critical Habitat for the
Puget Sound Chinook Salmon ESU****NISQUALLY SUBBASIN
17110015****Legend**

- Cities / Towns
- ~~~~~ Critical Habitat
- - - Subbasin Boundary
- Watershed Boundaries

01 - 03 = Watershed code - last 2 digits of 17110015xx

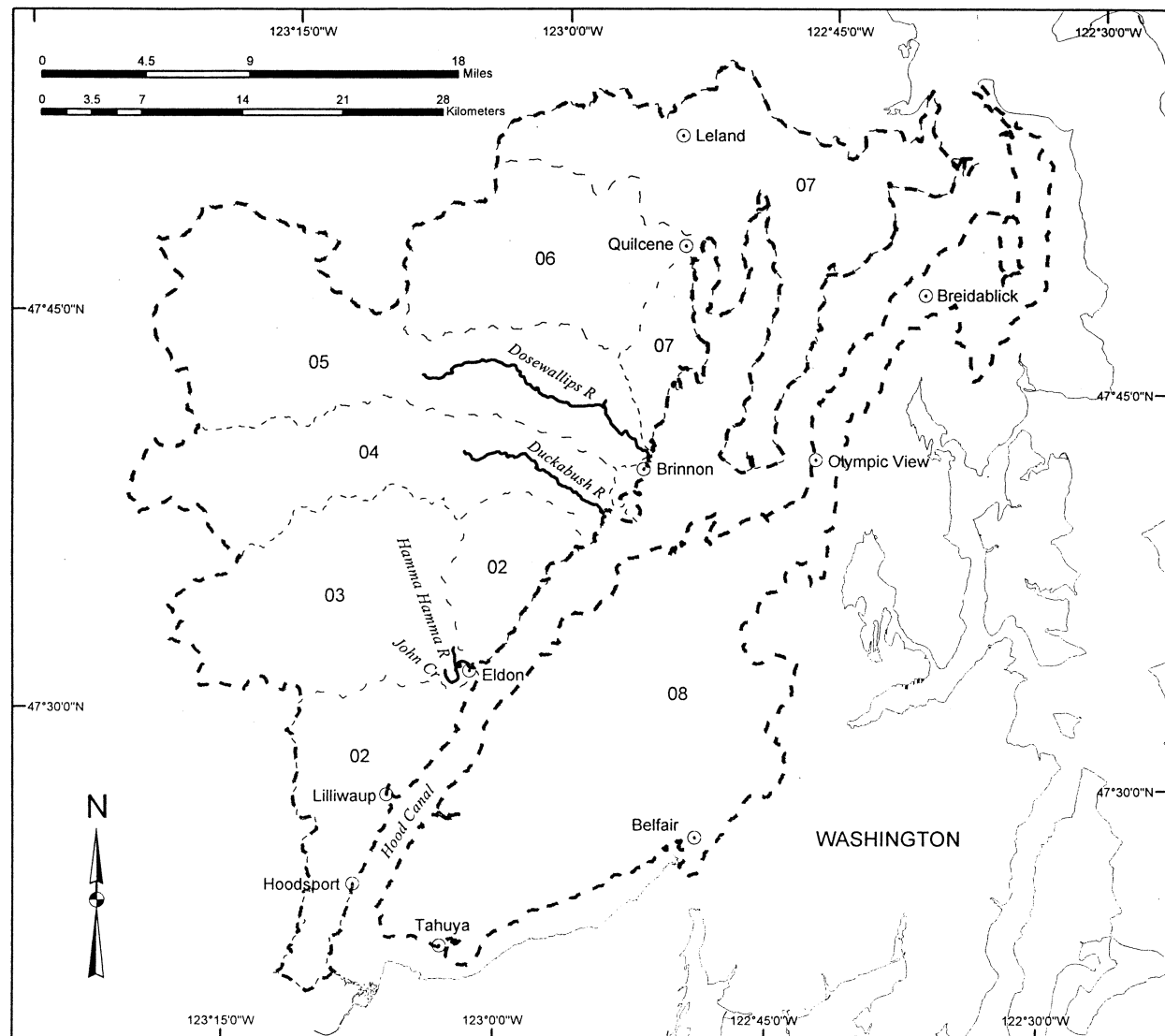
Area of Detail

**Final Critical Habitat for the
Puget Sound Chinook Salmon ESU****SKOKOMISH SUBBASIN
17110017****Legend**

- Cities / Towns
- ~~~~~ Shoreline
- ~~~~~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- - - Watershed Boundaries

01 = Watershed code - last 2 digits of 17110017xx

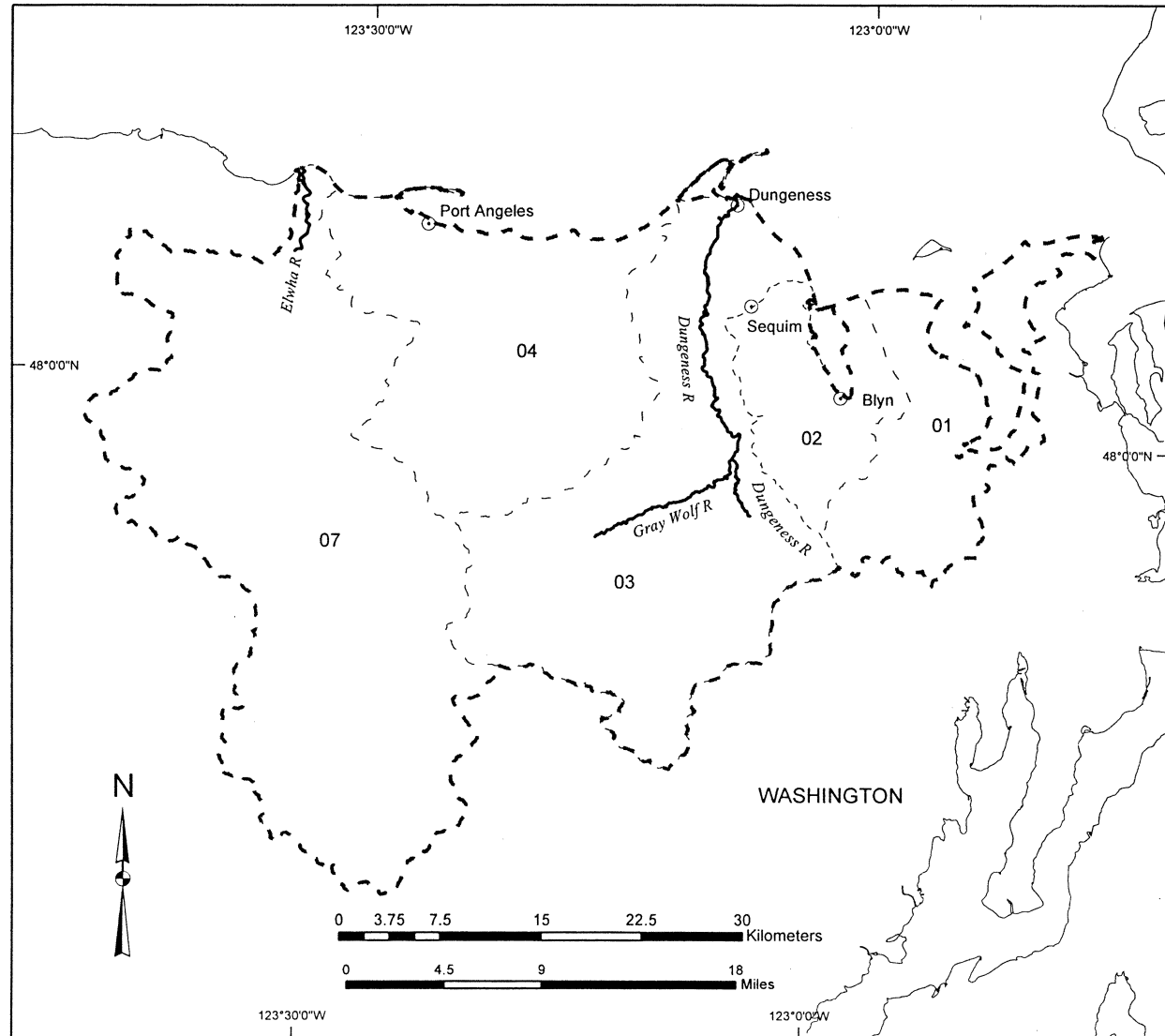
Area of Detail

**Final Critical Habitat for the
Puget Sound Chinook Salmon ESU****HOOD CANAL SUBBASIN
17110018****Legend**

- Cities / Towns
- Shoreline
- Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

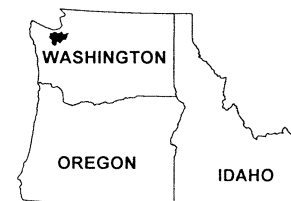
02 - 08 = Watershed code - last 2 digits of 17110018xx

Area of Detail

**Final Critical Habitat for the
Puget Sound Chinook Salmon ESU****DUNGENESS / ELWHA SUBBASIN
17110020****Legend**

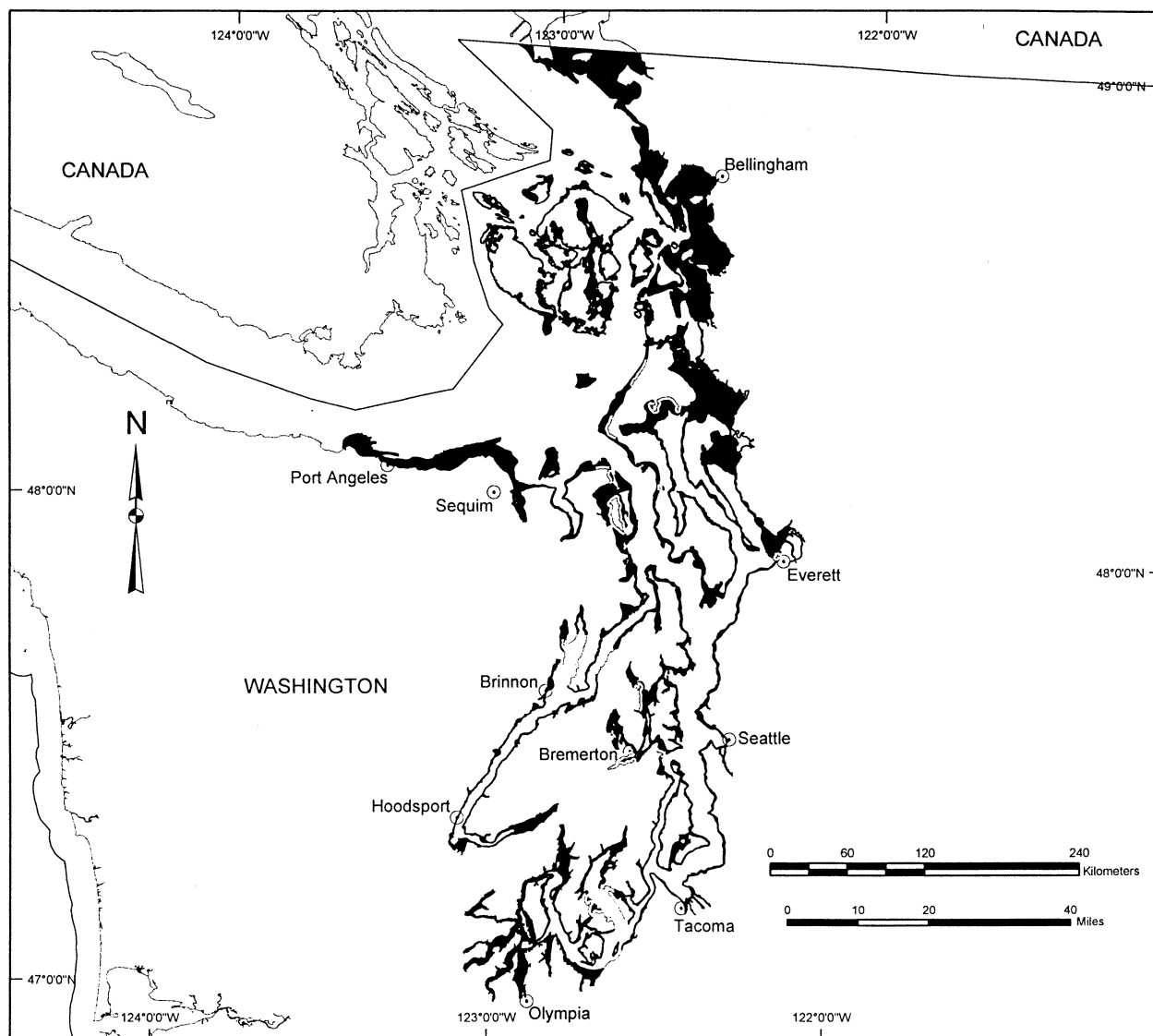
- ⊙ Cities / Towns
- ~~~~~ Shorelines
- ~~~~~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 04, 07 = Watershed code - last 2 digits of 17110020xx

Area of Detail

Final Critical Habitat for the Puget Sound Chinook Salmon ESU

Nearshore Marine Areas



Legend

- ⊙ Cities / Towns
- Shoreline
- State Boundary
- Nearshore Marine Areas

Area of Detail



(j) *Lower Columbia River Chinook Salmon (Oncorhynchus tshawytscha)*. Critical habitat is designated to include the areas defined in the following subbasins:

(1) Middle Columbia/Hood Subbasin 17070105—(i) *East Fork Hood River Watershed 1707010506*. Outlet(s) = Hood River (Lat 45.6050, Long -121.6323) upstream to endpoint(s) in: Dog River (45.4655, -121.5656); East Fork Hood River (45.4665, -121.5669); Pinnacle Creek (45.4595, -121.6568); Tony Creek (45.5435, -121.6411).

(ii) *West Fork Hood River Watershed 1707010507*. Outlet(s) = West Fork Hood River (Lat 45.6050, Long -121.6323) upstream to endpoint(s) in: Divers Creek (45.5457, -121.7447); Elk Creek (45.4277, -121.7889); Indian Creek (45.5375, -121.7857); Jones Creek (45.4629, -121.7942); Lake Branch (45.5083, -121.8485); McGee Creek (45.4179, -121.7675); No Name Creek (45.5347, -121.7929); Red Hill Creek (45.4720, -121.7705); Unnamed (45.5502, -121.7014).

(iii) *Hood River Watershed 1707010508*. Outlet(s) = Hood River (Lat 45.7205, Long -121.5055) upstream to endpoint(s) in: Hood River (45.6050, -121.6323).

(iv) *White Salmon River Watershed 1707010509*. Outlet(s) = White Salmon River (Lat 45.7226, Long -121.5214) upstream to endpoint(s) in: White Salmon River (45.7677, -121.5374).

(v) *Wind River Watershed 1707010511*. Outlet(s) = Wind River (Lat 45.7037, Long -121.7946) upstream to endpoint(s) in: Bear Creek (45.7620, -121.8293); Big Hollow Creek (45.9399, -121.9996); Dry Creek (45.9296, -121.9721); Falls Creek (45.9105, -121.9222); Little Wind River (45.7392, -121.7772); Ninemile Creek (45.8929, -121.9526); Paradise Creek (45.9527, -121.9408); Trapper Creek (45.8887, -122.0065); Trout Creek (45.8021, -121.9313); Wind River (45.9732, -121.9031).

(vi) *Middle Columbia/Grays Creek Watershed 1707010512*. Outlet(s) = Columbia River (Lat 45.7044, Long -121.7980) upstream to endpoint(s) in: Columbia River (45.7205, -121.5056).

(vii) *Middle Columbia/Eagle Creek Watershed 1707010513*. Outlet(s) = Columbia River (Lat 45.6447, Long -121.9395) upstream to endpoint(s) in: Camp Creek (45.6676, -121.8167); Carson Creek (45.7206, -121.8184); Columbia River (45.7044, -121.7980); Dry Creek (45.6717, -121.8732); Eagle Creek (45.6365, -121.9171); East Fork Herman Creek (45.6538, -121.8122); Herman Creek (45.6749, -121.8477); Rock Creek (45.6958, -121.8915); Unnamed (45.6654, -121.8164);

Unnamed (45.6674, -121.8487); Unnamed (45.6689, -121.8444); Unnamed (45.6762, -121.9350); Unnamed (45.6902, -121.9034); Unnamed (45.6948, -121.9424).

(2) Lower Columbia/Sandy Subbasin 17080001—(i) *Salmon River Watershed 1708000101*. Outlet(s) = Salmon River (Lat 45.3768, Long -122.0293) upstream to endpoint(s) in: Cheeney Creek (45.3104, -121.9561); Copper Creek (45.2508, -121.9053); Salmon River (45.2511, -121.9025); South Fork Salmon River (45.2606, -121.9474); Unnamed (45.3434, -121.9920).

(ii) *Zigzag River Watershed 1708000102*. Outlet(s) = Zigzag River (Lat 45.3489, Long -121.9442) upstream to endpoint(s) in: Henry Creek (45.3328, -121.9110); Still Creek (45.2755, -121.8413); Unnamed (45.3019, -121.8202); Zigzag River (45.3092, -121.8642).

(iii) *Upper Sandy River Watershed 1708000103*. Outlet(s) = Sandy River (Lat 45.3489, Long -121.9442) upstream to endpoint(s) in: Clear Creek (45.3712, -121.9246); Clear Fork Sandy River (45.3994, -121.8525); Horseshoe Creek (45.3707, -121.8936); Lost Creek (45.3709, -121.8150); Sandy River (45.3899, -121.8620).

(iv) *Middle Sandy River Watershed 1708000104*. Outlet(s) = Sandy River (Lat 45.4464, Long -122.2459) upstream to endpoint(s) in: Alder Creek (45.3776, -122.0994); Bear Creek (45.3368, -122.1926); Cedar Creek (45.4087, -122.2617); North Boulder Creek (45.3822, -122.0168); Sandy River (45.3489, -121.9442).

(v) *Bull Run River Watershed 1708000105*. Outlet(s) = Bull Run River (Lat 45.4464, Long -122.2459) upstream to endpoint(s) in: Bull Run River (45.4455, -122.1561); Little Sandy Creek (45.4235, -122.1975).

(vi) *Washougal River (1708000106)*. Outlet(s) = Washougal River (Lat 45.5795, Long -122.4022) upstream(s) to endpoint(s) in: Cougar Creek (45.6265, -122.2987); Dougan Creek (45.6770, -122.1522); Lacamas Creek (45.5972, -122.3933); Little Washougal River (45.6315, -122.3767); Washougal River (45.6729, -122.1524); West Fork Washougal River (45.6205, -122.2149).

(vii) *Columbia Gorge Tributaries Watershed 1708000107*. Outlet(s) = Columbia River (Lat 45.5735, Long -122.3945) upstream to endpoint(s) in: Bridal Veil Creek (45.5542, -122.1793); Columbia River (45.6447, -121.9395); Coopey Creek (45.5656, -122.1671); Government Cove (45.5948, -122.0630); Hamilton Creek (45.6414, -121.9764); Hardy Creek (45.6354, -121.9987); Horsetail Creek (45.5883, -122.0675); Latourell Creek (45.5388, -122.2173);

McCord Creek (45.6115, -121.9929); Moffett Creek (45.6185, -121.9662); Multnomah Creek (45.5761, -122.1143); Oneonta Creek (45.5821, -122.0718); Tanner Creek (45.6264, -121.9522); Turnaft Creek (45.6101, -122.0284); Unnamed (45.5421, -122.2624); Unnamed (45.5488, -122.3504); Unnamed (45.6025, -122.0443); Unnamed (45.6055, -122.0392); Unnamed (45.6083, -122.0329); Unnamed (45.6118, -122.0216); Unnamed (45.6124, -122.0172); Unnamed (45.6133, -122.0055); Wahkeena Creek (45.5755, -122.1266); Young Creek (45.5480, -122.1997).

(viii) *Lower Sandy River Watershed 1708000108*. Outlet(s) = Sandy River (Lat 45.5680, Long -122.4023) upstream to endpoint(s) in: Beaver Creek (45.5258, -122.3822); Gordon Creek (45.4915, -122.2423); Sandy River (45.4464, -122.2459); Trout Creek (45.4844, -122.2785); Unnamed (45.5542, -122.3768); Unnamed (45.5600, -122.3650).

(3) Lewis Subbasin 17080002—(i) *East Fork Lewis River Watershed 1708000205*. Outlet(s) = East Fork Lewis River (Lat 45.8664, Long -122.7189) upstream to endpoint(s) in: East Fork Lewis River (45.8395, -122.4463).

(ii) *Lower Lewis River Watershed 1708000206*. Outlet(s) = Lewis River (Lat 45.8519, Long -122.7806) upstream to endpoint(s) in: Cedar Creek (45.9049, -122.3684); Chelatchie Creek (45.9169, -122.4130); Johnson Creek (45.9385, -122.6261); Lewis River (45.9570, -122.5550); Pup Creek (45.9391, -122.5440); Unnamed (45.8882, -122.7412); Unnamed (45.9153, -122.4362).

(4) Lower Columbia/Clatskanie Subbasin 17080003—(i) *Kalama River Watershed 1708000301*. Outlet(s) = Burris Creek (45.8926, -122.7892); Kalama River (46.0340, -122.8695) upstream to endpoint(s) in: Arnold Creek (46.0463, -122.5938); Burris Creek (45.9391, -122.7780); Elk Creek (46.0891, -122.5117); Gobar Creek (46.0963, -122.6042); Hatchery Creek (46.0459, -122.8027); Kalama River (46.1109, -122.3579); Little Kalama River (45.9970, -122.6939); North Fork Kalama River (46.1328, -122.4118); Wild Horse Creek (46.0626, -122.6367).

(ii) *Clatskanie River Watershed 1708000303*. Outlet(s) = Clatskanie River (Lat 46.1398, Long -123.2303) upstream to endpoint(s) in: Clatskanie River (46.0435, -123.0829); Merrill Creek (46.0916, -123.1727); Perkins Creek (46.0826, -123.1678).

(iii) *Skamokawa/Elochoman Watershed 1708000305*. Outlet(s) = Elochoman River (Lat 46.2269, Long -123.4040); Skamokawa Creek (46.2677,

–123.4562); Unnamed (46.2243, –123.3975) upstream to endpoint(s) in: Beaver Creek (46.2256, –123.3071); Elochoman River (46.3503, –123.2428); Falk Creek (46.2954, –123.4413); Left Fork Skamokawa Creek (46.3249, –123.4538); McDonald Creek (46.3398, –123.4116); Standard Creek (46.3292, –123.3999); West Fork Elochoman River (46.3211, –123.2605); West Fork Skamokawa Creek (46.2871, –123.4654); Wilson Creek (46.2970, –123.3434).

(iv) *Plympton Creek Watershed 1708000306*. Outlet(s) = Westport Slough (Lat 46.1434, Long –123.3816) upstream to endpoint(s) in: Plympton Creek (46.1261, –123.3842); Westport Slough (46.1195, –123.2797).

(5) Upper Cowlitz Subbasin 17080004—(i) *Headwaters Cowlitz River 1708000401*. Outlet(s) = Cowlitz River (Lat 46.6580, Lat –121.6032) upstream to endpoint(s) in: Clear Fork Cowlitz River (46.6858, –121.5668); Muddy Fork Cowlitz River (46.6994, –121.6169); Ohanapecosh River (46.6883, –121.5809).

(ii) *Upper Cowlitz River Watershed 1708000402*. Outlet(s) = Cowlitz River (Lat 46.5763, Long –121.7051) upstream to endpoint(s) in: Cowlitz River (46.6580, –121.6032).

(iii) *Cowlitz Valley Frontal Watershed 1708000403*. Outlet(s) = Cowlitz River (Lat 46.4765, Long –122.0952) upstream to endpoint(s) in: Cowlitz River (46.5763, –121.7051); Silver Creek (46.5576, –121.9178).

(iv) *Upper Cispus River Watershed 1708000404*. Outlet(s) = Cispus River (Lat 46.4449, Long –121.7954) upstream to endpoint(s) in: Cispus River (46.3410, –121.6709); East Canyon Creek (46.3454, –121.7031); North Fork Cispus River (46.4355, –121.654).

(v) *Lower Cispus River Watershed 1708000405*. Outlet(s) = Cispus River (Lat 46.4765, Long –122.0952) upstream to endpoint(s) in: Cispus River (46.4449, –121.7954); McCoy Creek (46.3892, –121.8190); Yellowjacket Creek (46.3871, –121.8335).

(6) Cowlitz Subbasin 17080005—(i) *Riffe Reservoir Watershed 1708000502*. Outlet(s) = Cowlitz River (Lat 46.5033, Long –122.5870) upstream to endpoint(s) in: Cowlitz River (46.4765, –122.0952).

(ii) *Jackson Prairie Watershed 1708000503*. Outlet(s) = Cowlitz River (Lat 46.3678, Long –122.9337) upstream to endpoint(s) in: Bear Creek (46.4215, –122.9224); Blue Creek (46.4885, –122.7253); Cowlitz River (46.5033, –122.5870); Lacamas Creek (46.5118, –122.8113); Mill Creek (46.4701, –122.8557); Mill Creek (46.5176; –122.6209); Otter Creek (46.4800, –122.6996); Salmon Creek (46.4237,

–122.8400); Skook Creek (46.5035, –122.7556).

(iii) *North Fork Toutle River Watershed 1708000504*. Outlet(s) = North Fork Toutle River (Lat 46.3669, Long –122.5859) upstream to endpoint(s) in: North Fork Toutle River (46.3718, –122.5847).

(iv) *Green River Watershed 1708000505*. Outlet(s) = Green River (Lat 46.3718, Long –122.5847) upstream to endpoint(s) in: Cascade Creek (46.3924, –122.3530); Devils Creek (46.3875, –122.5113); Elk Creek (46.3929, –122.3224); Green River (46.3857, –122.1815); Miners Creek (46.3871, –122.2091); Shultz Creek (46.3744, –122.2987); Unnamed (46.3796, –122.3632).

(v) *South Fork Toutle River Watershed 1708000506*. Outlet(s) = South Fork Toutle River (Lat 46.3282, Long –122.7215) upstream to endpoint(s) in: Johnson Creek (46.3100, –122.6338); South Fork Toutle River (46.2306, –122.4439); Studebaker Creek (46.3044, –122.6777).

(vi) *East Willapa Watershed 1708000507*. Outlet(s) = Cowlitz River (Lat 46.2660, Long –122.9154) upstream to endpoint(s) in: Arkansas Creek (46.3275, –123.0123); Baxter Creek (46.3034, –122.9709); Brim Creek (46.4263, –123.0139); Campbell Creek (46.3756, –123.0401); Cowlitz River (46.3678, –122.9337); Delameter Creek (46.2495, –122.9916); Hemlock Creek (46.2585, –122.7269); Hill Creek (46.3724, –122.9211); King Creek (46.5076, –122.9885); Monahan Creek (46.2954, –123.0286); North Fork Toutle River (46.3669, –122.5859); Olequa Creek (46.5174, –122.9042); Stillwater Creek (46.3851, –123.0478); Sucker Creek (46.2628, –122.8116); Unnamed (46.5074, –122.9585); Unnamed (46.5405, –122.9090); Wyant Creek (46.3424, –122.6302).

(vii) *Coweeman Watershed 1708000508*. Outlet(s) = Cowlitz River (Lat 46.0977, Long –122.9141); Owl Creek (46.0771, –122.8676) upstream to endpoint(s) in: Baird Creek (46.1704, –122.6119); Coweeman River (46.1505, –122.5792); Cowlitz River (46.2660, –122.9154); Leckler Creek (46.2092, –122.9206); Mulholland Creek (46.1932, –122.6992); North Fork Goble Creek (46.1209, –122.7689); Ostrander Creek (46.2095, –122.8623); Owl Creek (46.0914, –122.8692); Salmon Creek (46.2547, –122.8839); South Fork Ostrander Creek (46.1910, –122.8600); Unnamed (46.0838, –122.7264).

(7) Lower Columbia Subbasin 17080006—(i) *Big Creek Watershed 1708000602*. Outlet(s) = Bear Creek (Lat 46.1719; Long –123.6642); Big Creek (46.1847, –123.5943); Blind Slough

(46.2011, –123.5822); John Day River (46.1820, –123.7392) upstream to endpoint(s) in: Bear Creek (46.1181, –123.6388); Big Creek (46.1475, –123.5819); Gnat Creek (46.1614, –123.4813); John Day River (46.1763, –123.7474).

(ii) *Grays Bay Watershed 1708000603*. Outlet(s) = Crooked Creek (Lat 46.2962, Long –123.6795); Deep River (46.3035, –123.7092); Grays River (46.3035, –123.6867); Sisson Creek (46.3011, –123.7237); Unnamed (46.3042, –123.6870) upstream to endpoint(s) in: Crooked Creek (46.3033, –123.6222); East Fork Grays River (46.4425, –123.4081); Fossil Creek (46.3628, –123.5530); Grays River (46.4910, –123.4334); Hull Creek (46.3725, –123.5866); Johnson Canyon (46.3699, –123.6659); Klints Creek (46.3562, –123.5675); Malone Creek (46.3280, –123.6545); Mitchell Creek (46.4512, –123.4371) South Fork Grays River (46.3813, –123.4581); Sweigiler Creek (46.4195, –123.5375); Unnamed (46.3283, –123.7376); Unnamed (46.3651, –123.6839); Unnamed (46.4701, –123.4515); West Fork Grays River (46.4195, –123.5530).

(8) Clackamas Subbasin 17090011—(i) *Lower Clackamas River Watershed 1709001106*. Outlet(s) = Clackamas River (Lat 45.3719, Long –122.6071) upstream to endpoint(s) in: Clackamas River (45.2440, –122.2798); Clear Creek (45.3568, –122.4781); Deep Creek (45.3916, –122.4028); Richardson Creek (45.3971, –122.4712); Rock Creek (45.4128, –122.5043).

(ii) [Reserved]

(9) Lower Willamette Subbasin 17090012—(i) *Johnson Creek Watershed 1709001201*. Outlet(s) = Willamette River (Lat 45.4423, Long –122.6453) upstream to endpoint(s) in: Crystal Springs Creek (45.4770, –122.6403); Kellogg Creek (45.4344, –122.6314); Tryon Creek (45.4239, –122.6595); Unnamed (45.4002, –122.6423); Willamette River (45.3719, –122.6071).

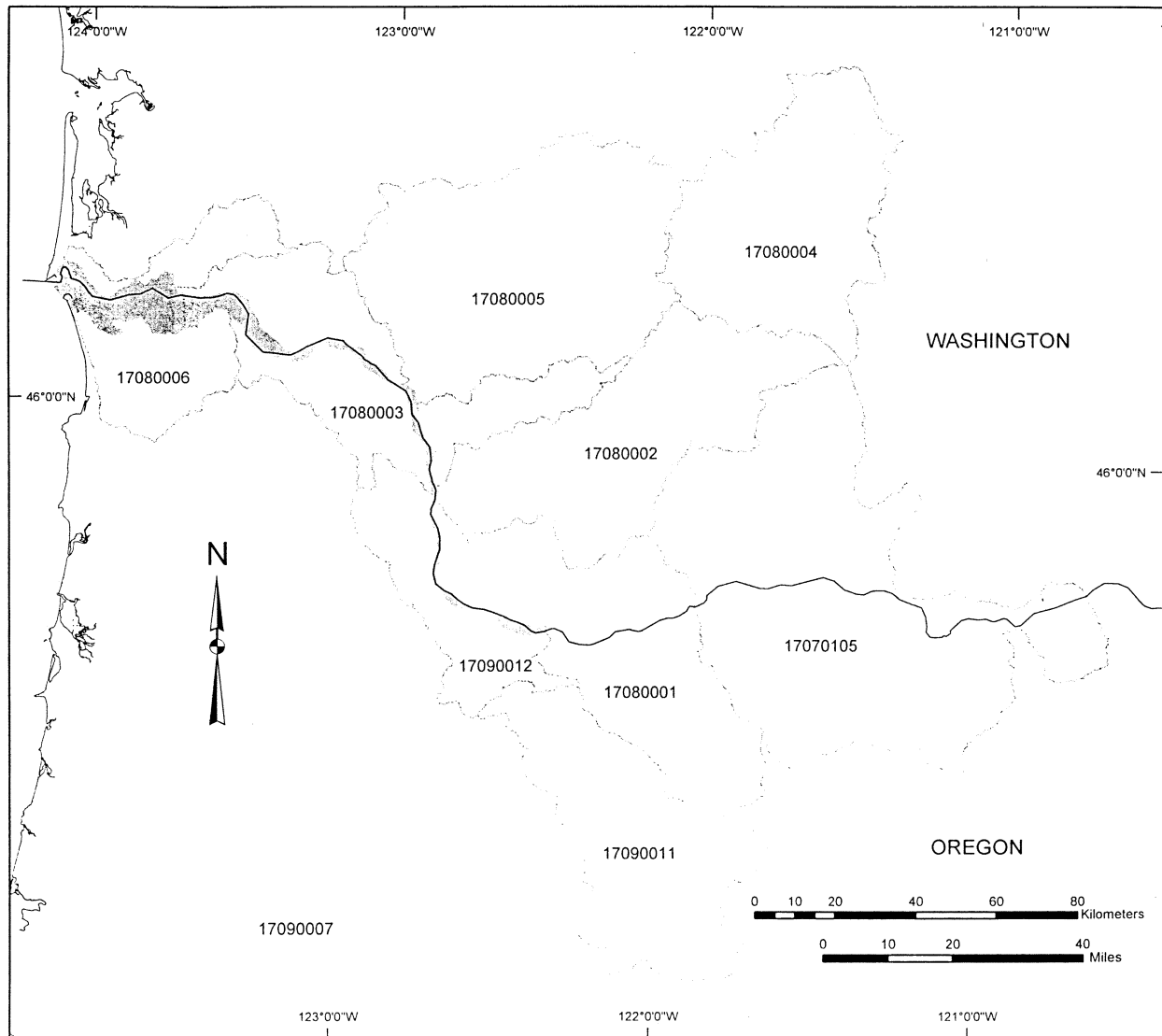
(ii) *Scappoose Creek Watershed 1709001202*. Outlet(s) = Multnomah Channel (Lat 45.8577, Long –122.7919) upstream to endpoint(s) in: Cunningham Slough (45.8250, –122.8069); Multnomah Channel (45.6188, –122.7921); North Scappoose Creek (45.8014, –122.9340).

(iii) *Columbia Slough/Willamette River Watershed 1709001203*. Outlet(s) = Willamette River (Lat 45.6530, Long –122.7646) upstream to endpoint(s) in: Bybee/Smith Lakes (45.6189, –122.7333); Columbia Slough (45.5979, –122.7137); Willamette River (45.4423, –122.6453).

(10) Lower Columbia River Corridor—Lower Columbia River Corridor.

Outlet(s) = Columbia River (Lat 46.2485,
Long -124.0782) upstream to
endpoint(s) in: Columbia River
(45.5709, -122.4021).

(11) Maps of critical habitat for the
Lower Columbia River chinook salmon
ESU follow:
BILLING CODE 3510-22-P

Map of the Lower Columbia River Chinook Salmon ESU**Legend**

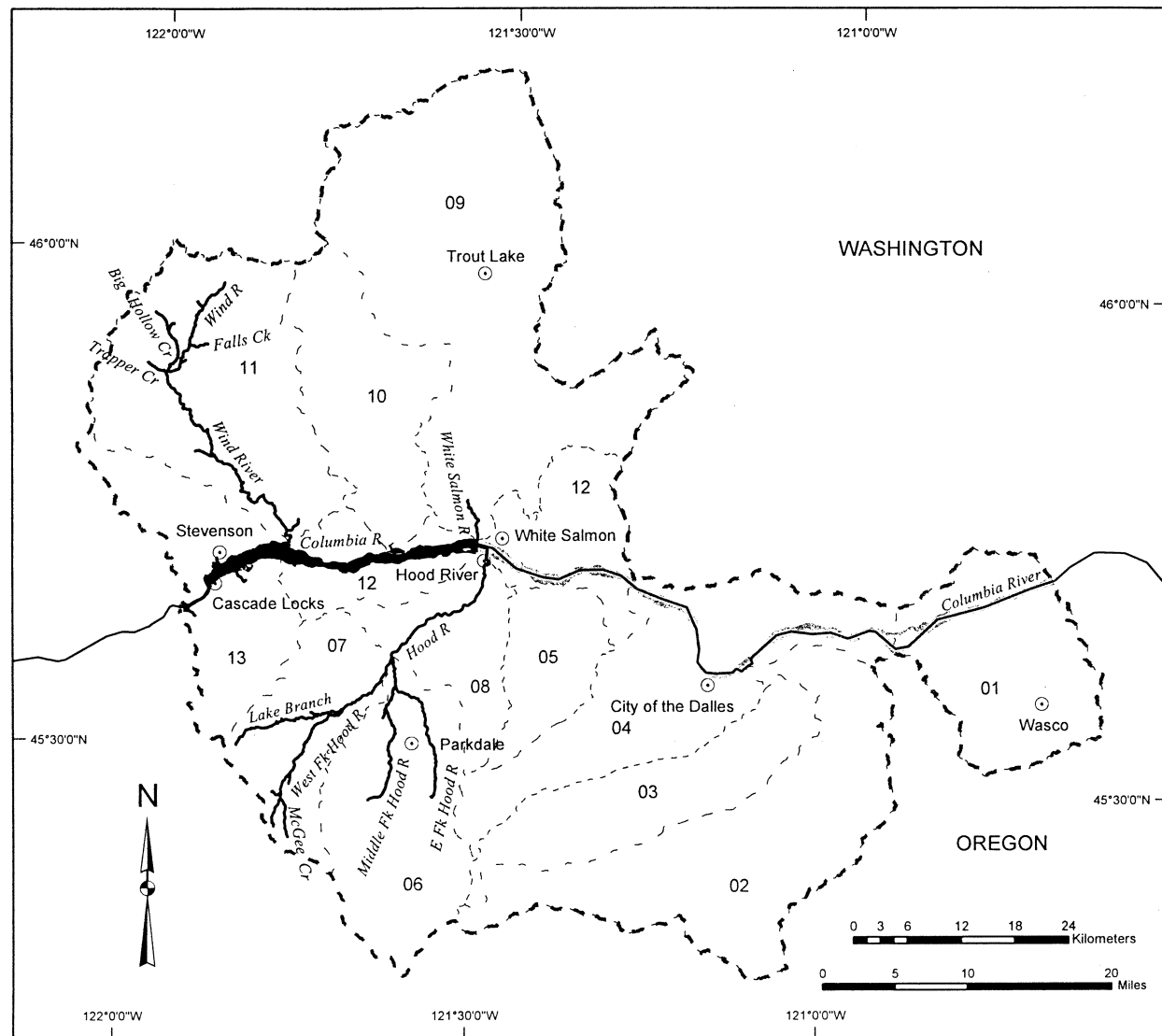
- State Boundaries
- Water Bodies
- Subbasin Boundaries

* All habitat areas in subbasin are excluded from designation

Area of Detail

Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

MIDDLE COLUMBIA / HOOD SUBBASIN
17070105



Legend

- ⊙ Cities / Towns
- ~ Critical Habitat
- State Boundary
- Water Bodies
- - - Subbasin Boundary
- · · Watershed Boundaries

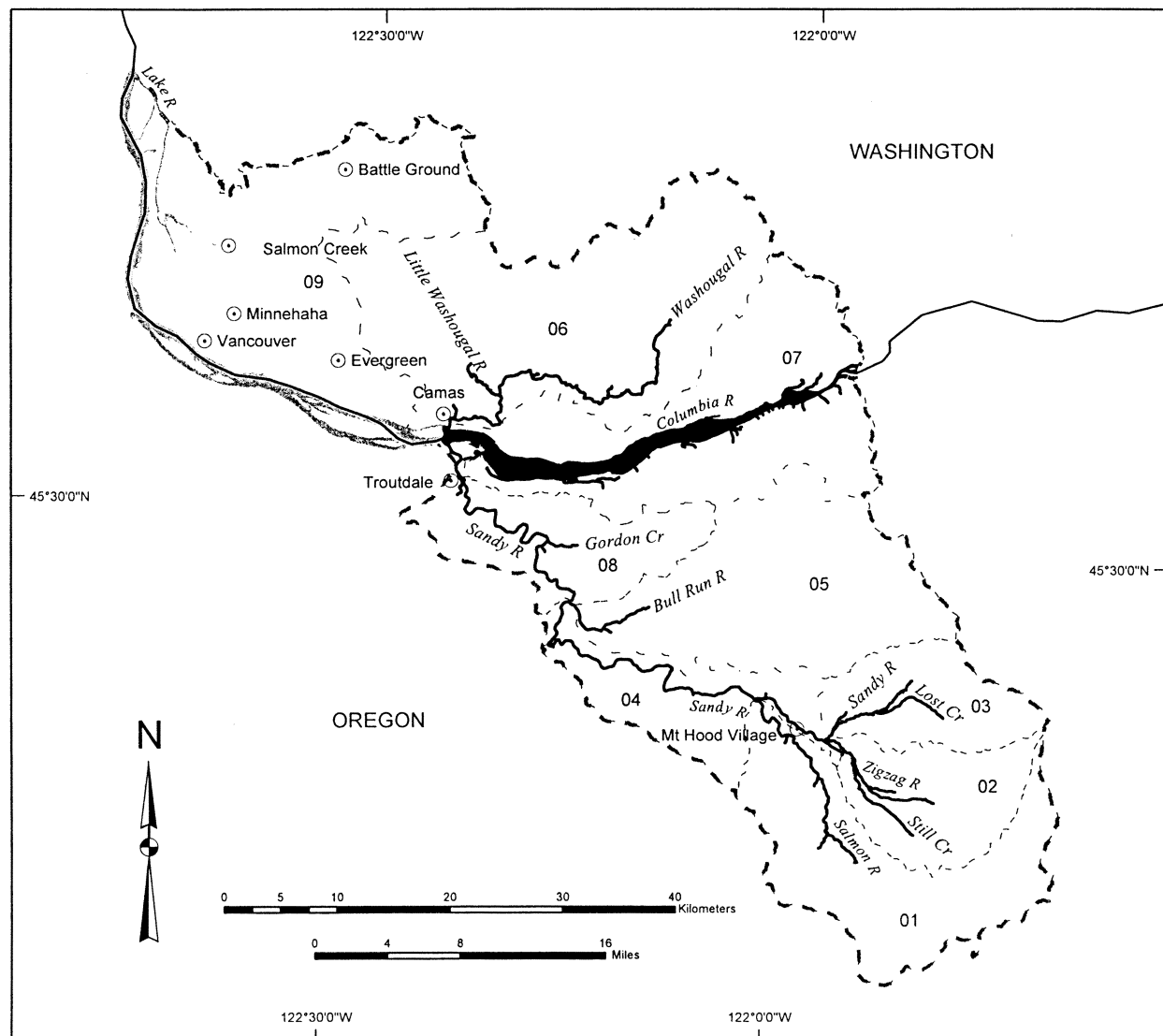
01 - 13 = Watershed code - last 2 digits of 17070105xx

Area of Detail



Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

LOWER COLUMBIA / SANDY SUBBASIN 17080001



Legend

- Cities / Towns
- ~ Critical Habitat
- State Boundary
- Water Bodies
- - - Subbasin Boundary
- - - Watershed Boundaries

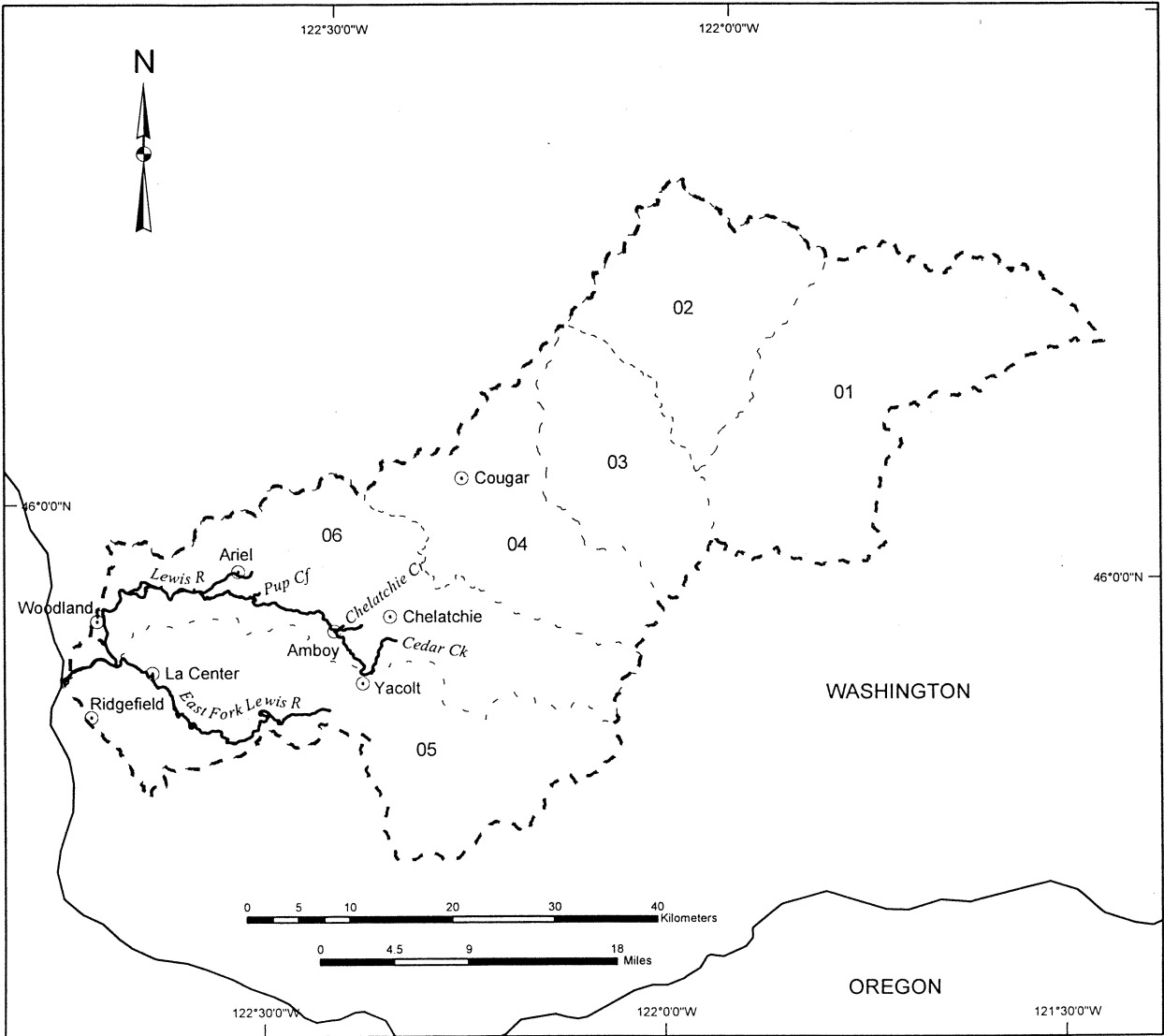
01 - 09 = Watershed code - last 2 digits of 17080001xx

Area of Detail



**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU**

**LEWIS SUBBASIN
17080002**



Legend

- Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

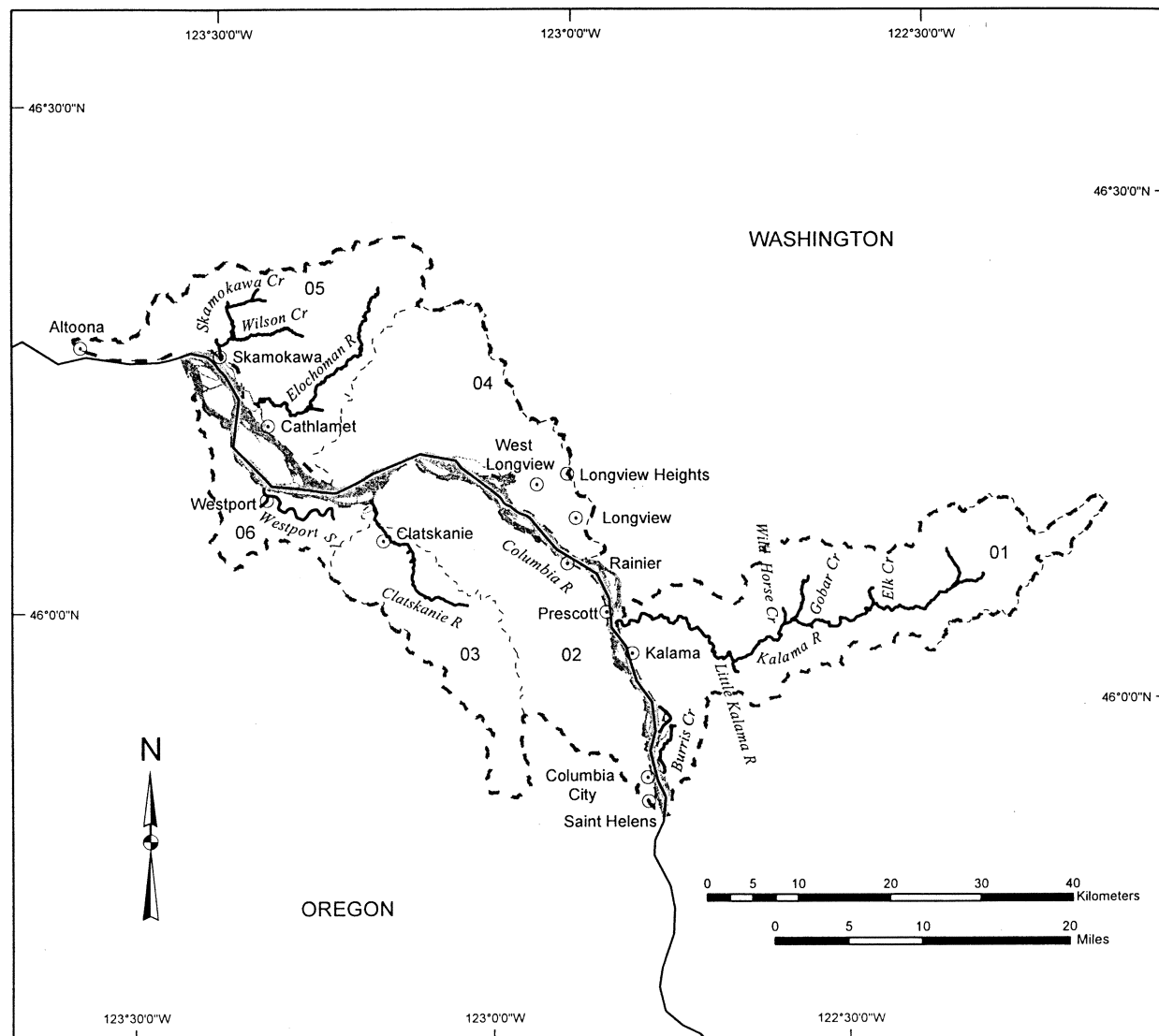
01 - 05 = Watershed code - last 2 digits of 17080002xx

Area of Detail



Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

LOWER COLUMBIA / CLATSKANIE SUBBASIN
17080003



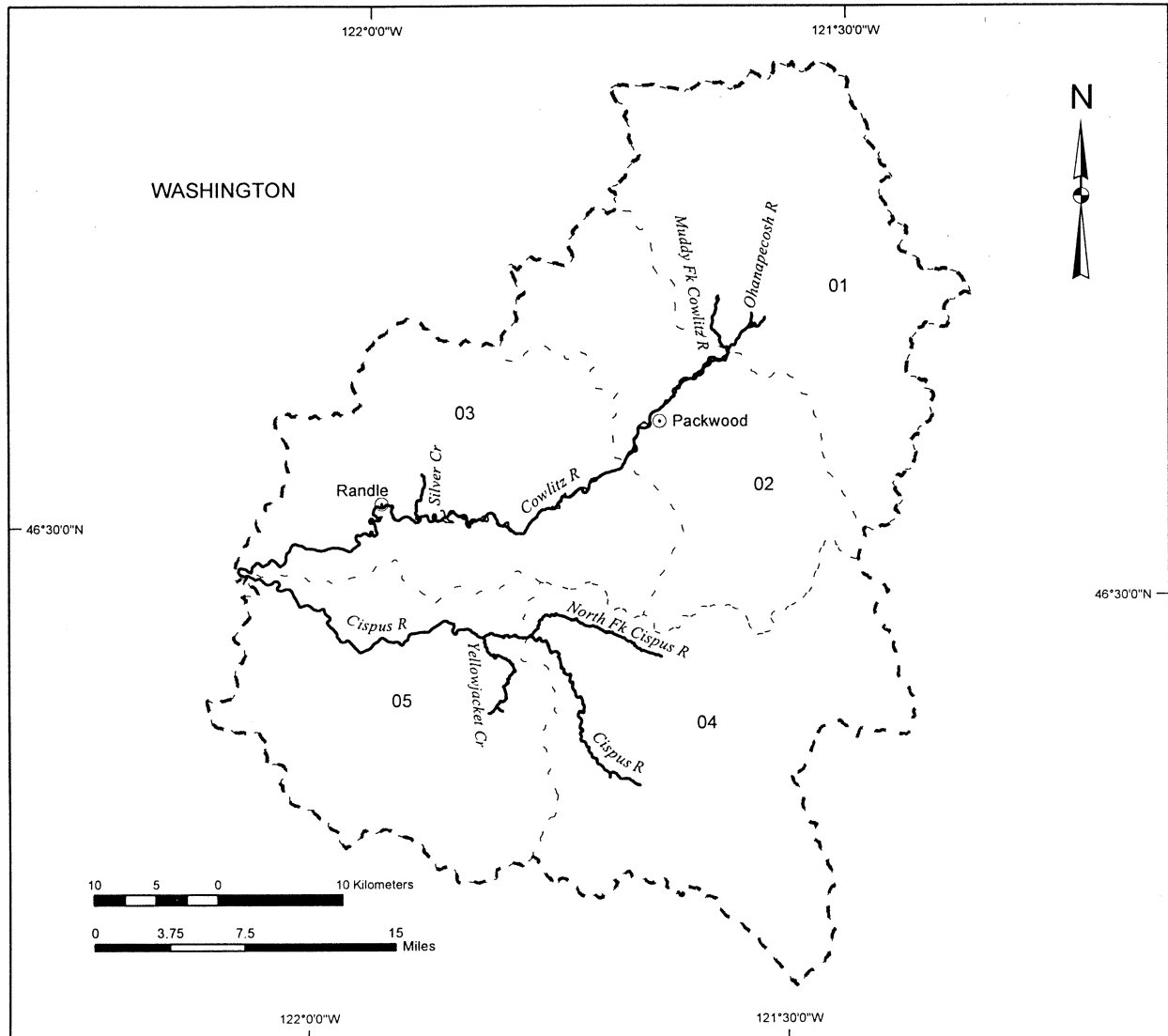
Legend

- Cities / Towns
- State Boundary
- ~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- Watershed Boundary

01 - 06 = Watershed code - last 2 digits of 17080003xx

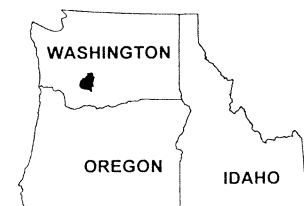
Area of Detail



**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU****UPPER COWLITZ SUBBASIN
17080004****Legend**

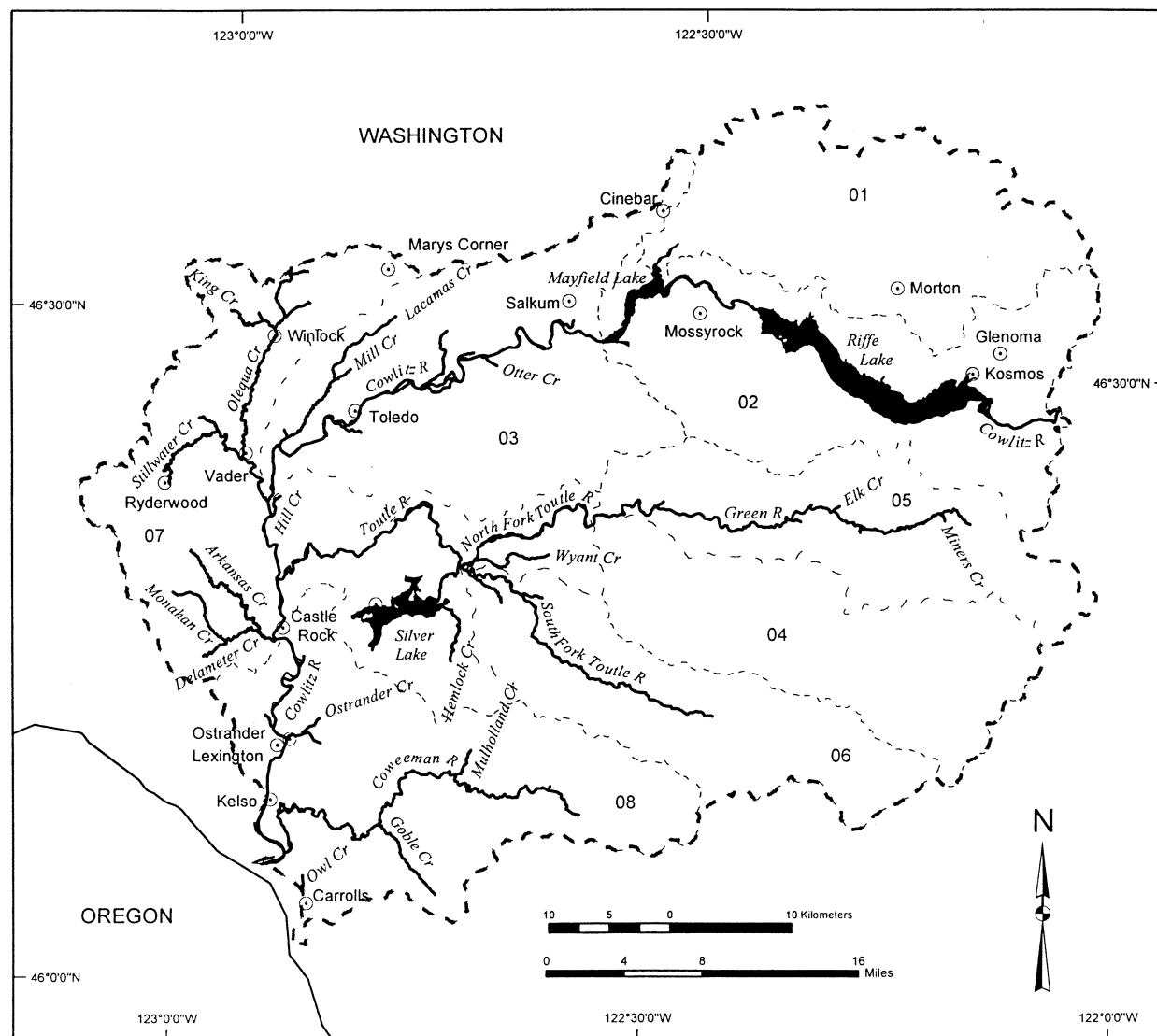
- Cities / Towns
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 05 = Watershed code - last 2 digits of 17080004xx

Area of Detail

Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

**COWLITZ SUBBASIN
17080005**



Legend

- ⊙ Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

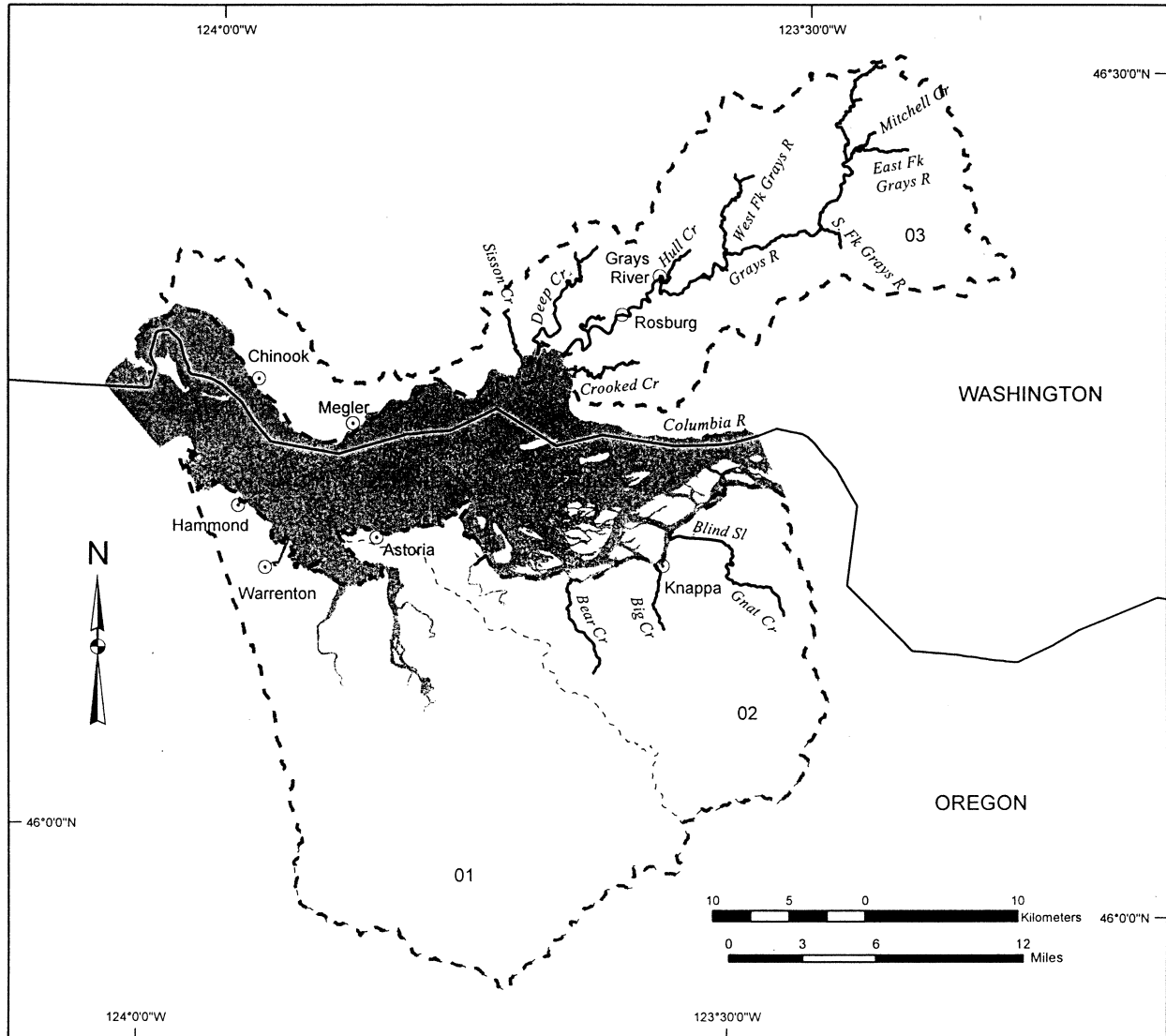
01 - 08 = Watershed code - last 2 digits of 17080005xx

Area of Detail



Final Critical Habitat for the Lower Columbia River Chinook Salmon ESU

LOWER COLUMBIA SUBBASIN
17080006

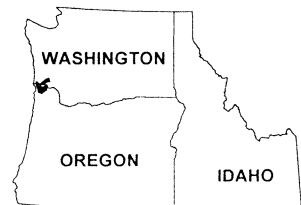


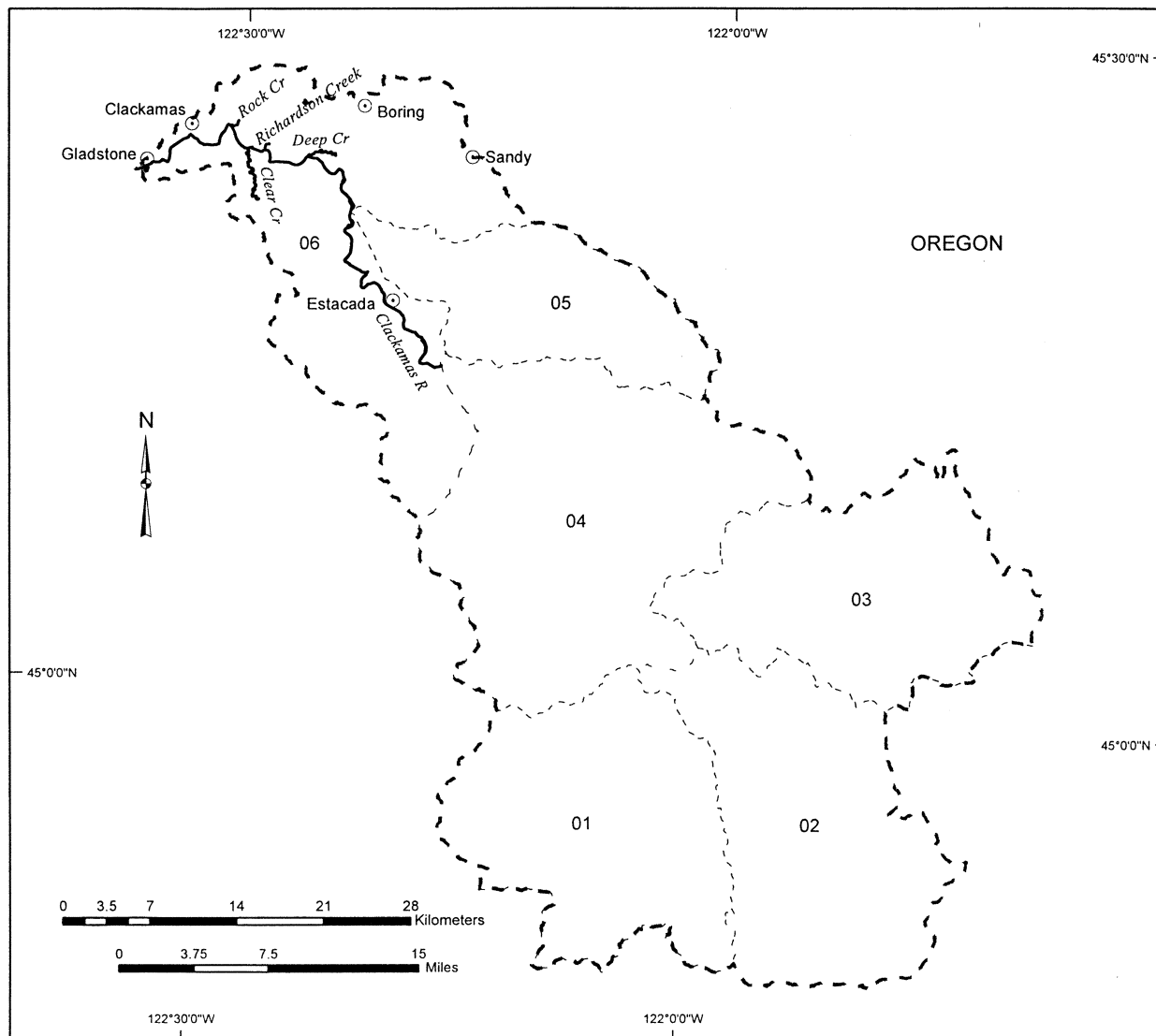
Legend

- Cities / Towns
- State Boundary
- ~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 03 = Watershed code - last 2 digits of 17080006xx

Area of Detail

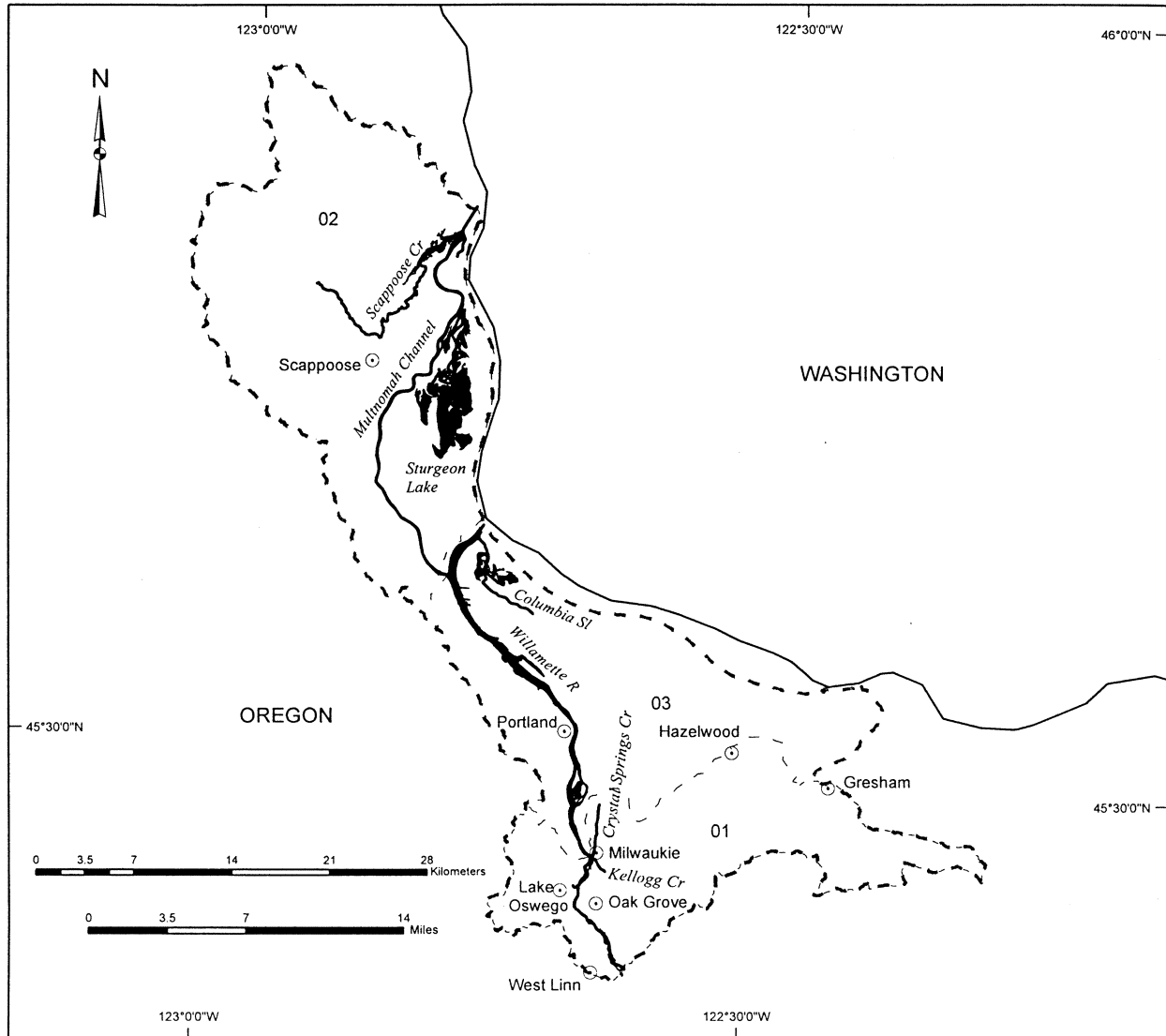


**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU****CLACKAMAS SUBBASIN
17090011:****Legend**

- ⊙ Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 06 = Watershed code - last 2 digits of 17090011xx

Area of Detail

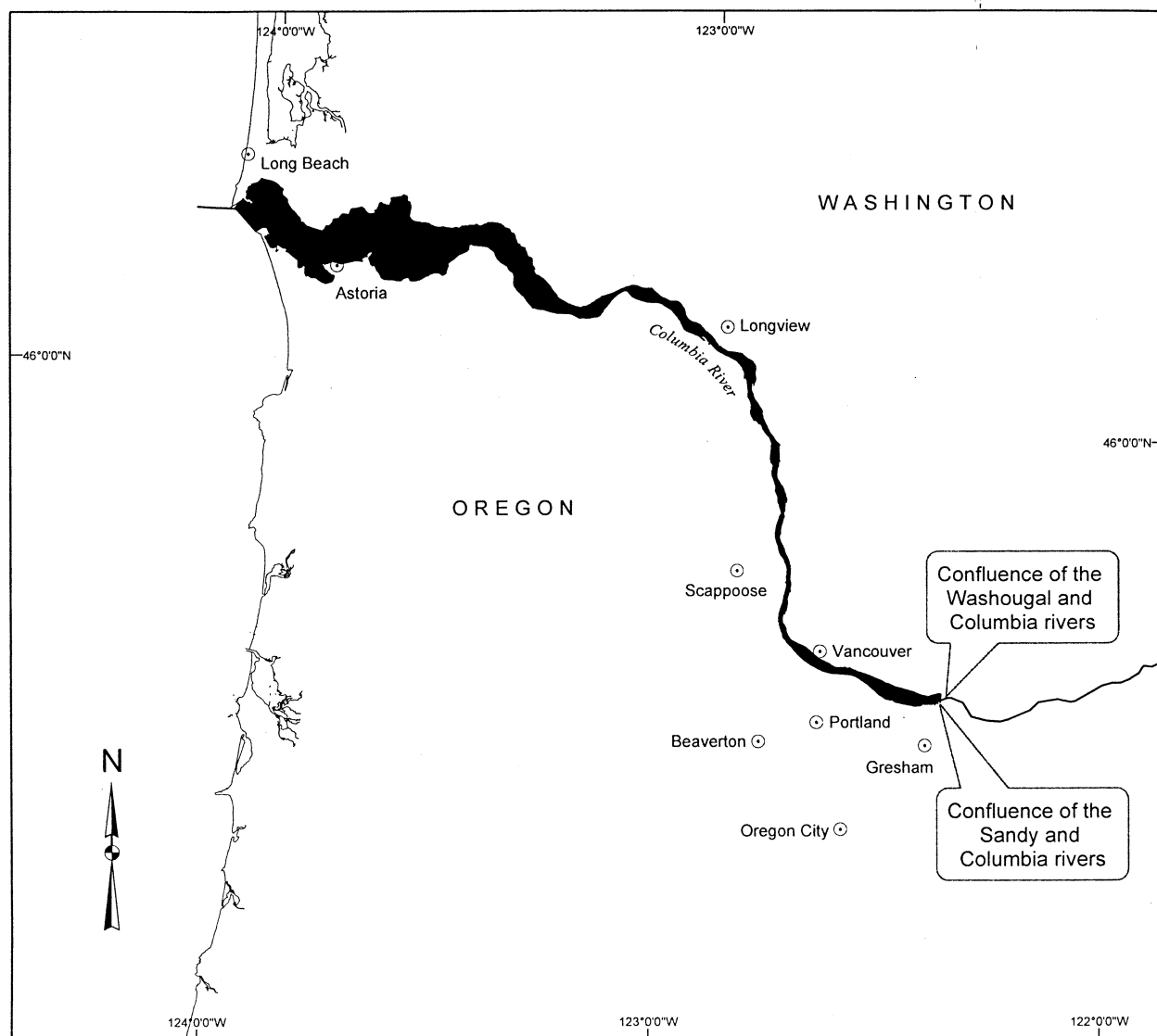
**Final Critical Habitat for the
Lower Columbia River Chinook Salmon ESU****LOWER WILLAMETTE SUBBASIN
17090012****Legend**

- Cities / Towns
- State Boundary
- Critical Habitat
- - - Subbasin Boundary
- Watershed Boundaries

01 - 03 = Watershed code - last 2 digits of 17090012xx

Area of Detail

Rearing / Migration Corridor for the Lower Columbia River Chinook Salmon ESU



Legend

-  **Cities / Towns**
-  **State Boundary**
-  **Rearing / Migration Corridor**

Lower Columbia River Chinook ESU

Lower Columbia River Corridor

The lower Columbia River corridor is that segment from the mouth of the Columbia River at the Pacific Ocean upstream to a line connecting the confluences of the Sandy River (Oregon) and Washougal River (Washington).